ATTACHMENT G Region-Specific Requirements for Implementation of Total Maximum Daily Loads (TMDLs)

The following pages include amendments in accordance with Order 2017-XXXX-DWQ amending this Order (Order 2013-0001-DWQ, Phase II General Permit for Storm Water Discharges from Small Municipal Separate Storm Sewer Systems (Phase II Small MS4s), NPDES Permit CAS000004)

All changes are shown in Underline / Strikeout to show additions and deletions, respectively. The following exceptions apply:

- The order of Permittees in this document has been revised to alphabetize the Permittees according to name, under each specific TMDL. To aid in readability, changes in the listing order of the Permittees included in this Order, as adopted in 2013, are not shown in Underline/Strikeout.
- Formatting changes are not shown in Underline/Strikeout

Throughout Attachment G, the convention for future dates will be shown as [Hard Date: *text*], where the descriptive text will describe what the specific date will be at the time of adoption.

In the track changes version of this document there will be instances of expansive spacing; this formatting issue is addressed in the clean version of this document also published.

TMDL	MunicipalityPhase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date of	Entities	Body	Deliverables/Actions (required/Waste Load Anodations
	Entities	Бойу	
Basin Plan Amendment (BPA)			
Water Board Resolution No.			
		Region 1: Nort	h Coast Regional Water Board
Laguna de Santa Rosa	City of		Purpose of Provisions
Ammonia & Dissolved Oxygen	Cotati	Laguna de Santa	The purpose of these provisions is to implement the requirements of the Waste Reduction Strategy
		Rosa	for the Laguna de Santa Rosa which includes TMDLs for nitrogen and ammonia to address low
Effective Date:	City of		dissolved oxygen and high ammonia impairments.
May 4, 1995	Rohnert Park		, ,
			Requirements for Implementing the Waste Reduction Strategy for the Laguna de Santa Rosa
BPA: none	City of		Implement a storm water runoff program that is aimed at nutrient load reduction and pollution control
	Sebastopol		through the execution of the provisions of this Phase II Small MS4 General Permit.
Resolution No.:			
none	Town of		
	Windsor		
			Purpose of Provisions
TMDL for Shasta River	City of	Shasta River	The purpose of these provisions is to implement the requirements of the Action Plan for the Shasta
Watershed	Yreka		River Watershed Temperature and Dissolved Oxygen TMDLs.
Temperature & Dissolved Oxygen	Trona		Requirements for Implementing the Action Plan for the Shasta River Watershed Temperature
Tomporature a Biodervea exygen			and Dissolved Oxygen TMDLs
Effective Date:			
January 26, 2007			Within one year of approval of the Phase II Small MS4 General Permit, tThe City of Yreka shall
January 20, 2007			developed a Plan to minimize, control, and preferably prevent discharges of fine sediment, nutrients
BPA: Action Plan for the Shasta			and other oxygen-consuming materials, and elevated water temperature waste discharge from
River Watershed Temperature and			affecting waters of the Shasta River and its tributaries. The Plan shall be submitted to the Regional
Dissolved Oxygen Total Maximum			Water Board Executive Officer for review, comment, and approvaled the City of Yreka's Plan. No
Daily Loads			later than Within four years of approval of the Phase II Small MS4 General Permit July 1, 2017, the
Daily Loads			City of Yreka shall begin implementing the Plan.
Resolution R1-2006-0052			only of Frond Shall boght implomorning the Flam.
110301011011111 2000 0002			The TMDL does not specify a wasteload or load allocation for the City of Yreka.
			The Time account opening a wastelload of load allocation for the Oily of Holds.
		<u> </u>	

TMDL Effective Date Basin Plan Amendment (BPA) Water Board Res. No.	Phase II Municipality Entities	Impaired Water Body	Deliverables/Actions Required/ Waste Load Allocations					
	Region 2: San Francisco Regional Water Board							
TMDL for Napa River Sediment	City of American Canyon	Napa River	Purpose of Provisions The purpose of these provisions is to implement the requirements of the Napa River sediment TMDL.					
Effective Date: January 20,	,		TMDL Wasteload and Load Allocations The Napa River sediment TMDL assigns to municipal storm water a wasteload allocation and load					
2011	City of Calistoga		allocation for the roads source category.					
BPA: Chapter 7, Water Quality Attainment Strategies including TMDLs	City of St. Helena		The sediment wasteload allocation is 600 tons/year and applies to storm water runoff discharges from municipalities' facilities associated with construction and/or maintenance activities.					
Resolution R2-2009-0064	City of Napa		The load allocation 27,000 metric tons/year of sediment is for the road and stream crossings category and applies to stream crossings and storm water runoff discharges associated with operation of public and private roads, paved and unpaved, within the watershed not otherwise covered by NPDES permits. Municipalities share this allocation with another entity (i.e., Caltrans).					
	Napa County		Requirements for Implementing the Napa River Sediment TMDL Wasteload and Load Allocations					
	Town of Yountville		A. Implementation of Sediment Wasteload Allocations (WLAs) i. To attain the wasteload allocation, municipalities identified in this TMDL section shall comply with the construction and maintenance storm water requirements, sections E.10 and E.11, in this Order.					
			 B. Implementation of Sediment Load Allocations (LAs) i. To attain the shared load allocation of 27,000 metric tons/year, municipalities identified in this TMDL section shall determine implement opportunities to retrofit and/or reconstruction of road crossings to minimize road-related sediment delivery (≤500 cubic yards/mile per 20-year period) to stream channels. Specifically, to reduce road-related erosion and protect stream-riparian habitat conditions, the municipalities shall by September 30, 2017 October 31, 2014: 					
			 Adopt and Continue to implement best management practices for maintenance of unimproved (dirt/gravel) roads. 					
			 Conduct Finalize a survey of stream-crossings associated with paved public roadways, and 					
			 Develop By [Hard Date: one year from adoption date], submit a schedule a prioritized implementation plan for the repair and/or replacement of high priority crossings/culverts to the Regional Water Board Executive Officer for approval. 					
0040 0004 PWO	amended by Order 2016	NAMA DIMO	For paved roads, erosion and sediment control actions shall primarily focus on road crossings to meet 3 February 5, 2013 June 2017					

TMDL Effective Date	Phase II Municipality Entities	Impaired Water Body	Deliverables/Actions Required/Waste Load Allocations
Basin Plan Amendment (BPA) Water Board Res. No.	<u> </u>		
		Region 2: Sa	an Francisco Regional Water Board
		Trogion 2. 00	the sediment load allocation.
			The Wasteload Allocation (WLA) and Load Allocation (LA) specified in the Fact Sheet are incorporated by reference. The final compliance deadline for the WLA and LA is not specified in the TMDL.
			Purpose of Provisions
TMDL for Sonoma Creek Sediment	City of Sonoma	Sonoma Creek	The purpose of these provisions is to implement the requirements of the Sonoma Creek sediment TMDL.
Effective Date: September 8, 2010	County of Sonoma		TMDL Wasteload and Load Allocations The Sonoma Creek sediment TMDL assigns to municipal storm water a wasteload allocation and load allocation for the roads source category.
BPA: Chapter 7, Water Quality Attainment Strategies including TMDLs			The sediment wasteload allocation is 600 tons/year and applies to storm water runoff discharges from municipalities' facilities associated with construction and/or maintenance activities.
Resolution No. R2-2008-0103			The load allocation 2,100 tons/year of sediment is for the road and stream crossings category and applies to stream crossings and storm water runoff discharges associated with operation of public and private roads, paved and upaved, within the watershed not otherwise covered by NPDES permits. Municipalities share this allocation with another entity (i.e., Caltrans).
			Requirements for Implementing the Sonoma Creek Sediment TMDL Wasteload and Load Allocations
			A. Implementation of Sediment Wasteload Allocations i. To attain the wasteload allocation, municipalities Phase II entities identified in this TMDL section shall comply with the construction and maintenance requirements, sections E.10 and E.11, of this Order. i.ii. The municipalities identified in this TMDL section shall continue to implement actions proposed in their Storm Water Management Plans approved under the 2003 Permit ¹ to attenuate peak flows and durations from new and redevelopment projects. Implementation requirements for implementation actions are incorporated herein by reference. Municipalities may propose amendments to those Implementation Actions by submitting an updated Storm Water Management Plan to the Regional Water Board.
			 B. Implementation of Sediment Load Allocations i. To attain the shared load allocation of 2,100 tons/year, municipalities <u>identified in this TMDL</u>

TMDL	Phase II Municipality	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	Entities	Body	
Basin Plan Amendment (BPA)			
Water Board Res. No.			
		Region 2: Sa	n Francisco Regional Water Board
			section shall determineimplement opportunities to retrofit and/or reconstruction of road crossings to minimize road-related sediment delivery to stream channels. Effective immediately Specifically, to reduce road-related erosion and protect stream-riparian habitat conditions, the municipalities shall implement the following actions:
			 Adopt and Continue to ilmplement best management practices for maintenance of unimproved (dirt/gravel) roads,
			Conduct Finalize a survey of stream-crossings associated with paved public roadways, and
			DevelopBy [Hard Date: one year from adoption date], submit a schedule a prioritized implementation plan for the repair etrofit and/or replacement of high priority crossings/culverts to the Regional Water Board Executive Officer for approval.
TMDL for Sonoma Creek Sediment (Continued)			For paved roads, erosion and sediment control actions shall primarily focus on road crossings to meet the sediment load allocation.
(Continued)			The Wasteload Allocation and Load Allocation specified in the Fact Sheet are incorporated by reference. The final compliance deadline for the wasteload allocations and load allocations is not
			specified in the TMDL.
			Attenuation of peak flows and durations from new and redevelopment projects: Applicable Immediately
			Requirements for Sonoma County Water Agency for Implementing TMDL
	Sonoma County	Sonoma Creek	1. The Sonoma County Water Agency shall continue to implement actions as specified in the Storm
	Water Agency		Water Management Plan approved under the prior 2003 General Permit ² including actions to
			attenuate peak flows and durations from new and redevelopment projects. Implementation
			requirements for implementation actions are incorporated herein by reference. The Sonoma County Water Agency may propose amendments to those Implementation Actions by submitting
			an updated Storm Water Management Plan to the Regional Water Board.
			2. Report progress on implementation of sediment reduction measures in the Annual Report.
			The Load Allocation (LA) and Waste Load Allocation (WLA) specified in the Fact Sheet are
			incorporated by reference. The final compliance deadline for the WLA and LA is not specified in the
			TMDL.
			Attenuation of peak flows and durations from new and redevelopment projects: Applicable Immediately Purpose of Provisions
TMDL for Napa River	City of American	Napa River	The purpose of these provisions is to implement the requirements of the Napa River pathogens TMDL.
Pathogens	Canyon	Ιναρα ΙΝΙνοι	
Effective Date: Fahruary 20			TMDL Wasteload Allocations The Napa River pathogens TMDL assigns a wasteload allocation to municipal storm water as follows:
Effective Date: February 29,			He wapa kiver pathogens HMDL assigns a wasteload allocation to municipal storm water as follows:

 $^{^{2}}$ 2003-0005-DWQ

TMDL Effective Date Basin Plan Amendment (BPA) Water Board Res. No.	Phase II Municipality Entities	Impaired Water Body			iverables/Ac			oad Allocati	ons
	Region 2: San Francisco Regional Water Board								
2008 BPA: Chapter 7, Water Quality Attainment Strategies including TMDLs Resolution No. R2-2006-0079	City of Calistoga City of St. Helena City of Napa Napa County Town of Yountville		Requirement Municipalities actions, effections, effect	potentile percentile adding pe	menting the II entities ide ately, within 1 on and Outre in risks of fecal iduals can tal gement. Devolution and Good fecal coliform tially collect a ine TMDL, par uality monitorie water quality utaries. Table quency for the estakeholde fuction measurified in the Fa	pot mL) pot manual percentile 360 Napa River- ntified in this menths of ach. Educated coliform in the to reduce elop and ilm waste. Elimination. Ether mistaked Housekeep in loading from the discharged ticipate in the manual result of the percent of the percen	CFU/1 Geometric Mean <216 Ply to any so Pathogens T TMDL section permit adoptive to the public resurface water pathogen load plement enform Develop and ten or deliberations. Develop m streets, pare te fecal coliform to Regional Water ten on to evaluate E ter 7, Water (aseline water rt, (-on water progress made his Order are	poth percentile	stakeholder effort to tration trends in the Napa ment Strategies, presents
TMDL for Sonoma Creek Pathogens	City of Sonoma	Sonoma Creek			visions is to ir	nplement the	e requirement	s of the Son	oma Creek pathogens
Effective Date: February 29, 2008	County of amended by Order 2016	NANA DIMO	TMDL Waste The Senoma			assigns a wa			cipal storm water as 3June 2017

TMDL	Phase II Municipality	Impaired Water	T				ired /Waste L	and Allacat	ions
Effective Date	Entities	Body		Dei	iivei abies/A	cuons Requ	ii eu /wasic L	oau Anocat	ions
Basin Plan Amendment (BPA)									
Water Board Res. No.									
		Region 2: Sa	an Francisco R	Regional Wa	ter Board				
	Sonoma		follows:						
TMDL for Sonoma Creek Pathogens			E.c (CFU/1			coliform 00 mL)		coliform 00 mL)	
(Continued)			Geometric	00 mL) 90 th	Geometric	90 mL)	Geometric	90 mL)	
			Mean	percentile	Mean	percentile	Mean	percentile	
BPA: Chapter 7, Water Quality Attainment Strategies including			<113	<368	<180	<360	<216	<9,000	
TMDLs Resolution No. R2-2006-0042						round and ar	oply to any so	urces (existir	ng or future) subject to
			regulation by NPDES permit.						
			Requiremen	ts for Imple	menting the	Sonoma Cr	eek Pathoge	ns TMDL W	asteload Allocations
			The Phase II	entities iden	tified in this T	MDL section	<u>Municipalitie</u>	shall <u>imple</u>	ement the following
			actions, effec	tive immedia	ately: , within 1	18 months of	permit adopt	ion:	
									ources of fecal coliform
							rorm in surrac ce pathogen		lucate the public regarding
			ii. P	et Waste Ma	ınagement. -	Develop and	<u>il</u> mplement e	nforceable m	neans of
							ng from pet w		ent strategies to detect and
			el	iminate illicit	discharges (whether mist	aken or delib	erate) of sew	vage to Sonoma Creek.
									lement strategies to sidewalks, and other
			ur	ban areas th	nat potentially	collect and	discharge fec	al coliform to	Sonoma Creek.
									entration trends in Quality Attainment
									eline water quality
				onitoring.	University of the Alberta	- AID-			trada a sa sa tra
									itoring results and duction measures.
			The wasteless	nd allocations	s (\A/I A) ident	ified in the E	act Sheet of t	his Order or	e incorporated by
			reference. A	final complia	ance deadline	e for complia	nce with the V	VLA is not sp	pecified in the TMDL.
			Requiremen	ts for Sonor	ma County V	Vater Agenc	y for Implem	enting TMD	<u>DL</u>

TMDL	Phase II Municipality	Impaired Water			Actions Required Waste Load Al	locations
Effective Date Basin Plan Amendment (BPA)	<u>Entities</u>	Body				
Water Board Res. No.						
		Region 2: Sa	an Francisco I	Regional Water Board		
	Sonoma County	Sonoma Creek		County Water Agency		
	Water Agency			<u>e to implement actions</u> 3 General Permit ³ .	as specified in the Storm Water Ma	nagement Plan approved under
					s necessary the TMDL compliance a	actions to include specific
			measur	es to reduce pathogen l	oading.	
			3. Report	orogress on implementa	ation of pathogen reduction measure	es in the Annual Report.
			The wasteles	ad allocations identified	in the Fact Sheet of this Order are	incorporated by reference. A
			final complia	nce deadline for compli	ance with the WLA is not specified	in the TMDL.
			Purpose of	Provisions .		
TMDL for Tomales Bay	Marin County	Tomales Bay		of these provisions is t	o implement the requirements of the	e Tomales Bay pathogens
Pathogens Effective Date: February 8, 2007			TMDL.			
BPA: Chapter 4, Surface Water		Lagunitas Creek	TMDL Wast	eload Allocations		
Protection and Management,			The Tomales		assigns a wasteload allocation to r	nunicipal storm water as follows:
Nonpoint Source Control				Fecal C		
Resolution No. R2-2005-0046		Walker Creek	For Dir	(MPN/1	For Discharges to Major	-
1.C30Idil011140. 112 2000 0040				omales Bay	Tomales Bay Tributaries	
		Olema Creek	Median ^b	90 th	Log Mean ^b	
				percentile e		
TMDL for Tomales Bay			<14	< 43	<200	
<u>Pathogens</u>			^a These alloc	ations are applicable ve	Lear-round and apply to any sources	
(Continued)			regulation by	NPDES permit.		, ,
			^b Based on a	minimum of five conse	cutive samples equally spaced ove	r a 30-day period.
			No more th	an 10% of total samples	s during any 30-day périod may exc	ceed this number
			Requiremer	nts for Implementing t	he Tomales Bay Pathogens TMDI	-Wasteload Allocations
			The Municip	alities Phase II entities id	dentified in this TMDL section shall	implement the following actions,
			effective imn	nediately, by within 18 r	months of permit adoption,:	-
			P	ublic Participation and	Outreach. Educate the public regard	ding sources of fecal coliform
			a	nd associated health ris	sks of fecal coliform in surface wate	rs. Educate the public regarding
			а		an take to reduce pathogen loading	
			ii. i			

 $[\]frac{^{3}}{^{2003-0005-DWQ}}$

Effective Date Basin Plan Amendment (BPA) Water Board Res. No. Region 2: San Francisco Regional Water Board ### Pet Waste Management. Develop-and-implement enforceable means of reducing/eliminating fecal coliform loading from pet waste. ### Pet Waste Management. Develop-and-implement enforceable means of reducing/eliminating fecal coliform loading from pet waste. ### Pet Waste Management. Develop-and-implement strategies to detect and eliminate illicit discharges (whether mistaken or deliberate) of sewage to Tomales Bay. ### Pollution Prevention and Good Housekeeping. Develop-and-implement strategies to reduce/eliminate fecal coliform loading from streets, parking jots, sidewalks, and other urban areas that potentially collect and discharge fecal coliform to Tomales Bay. ### Pollution Prevention and Good Housekeeping. Develop-and-implement strategies to reduce/eliminate fecal coliform loading from streets, parking jots, sidewalks, and other urban areas that potentially collect and discharge fecal coliform to Tomales Bay. ### ### Pollution Prevention and Good Housekeeping. Develop-and-implement strategies to reduce/eliminate fecal coliform loading from streets, parking jots, sidewalks, and other urban areas that potentially collect and discharge fecal coliform to Tomales Bay. ### ### ### ### ### ### ### ### ### #	TMDL			Deliverables/Actions Required/Mesta Load Allegations
Basin Plan Amendment (BPA) Water Board Res. No. Region 2: San Francisco Regional Water Board		Phase II Municipality	Impaired Water	Deliverables/Actions RequiredAWaste Load Allocations
Region 2: San Francisco Regional Water Board Revenue Administrate Revenue Administrate Region 2: San Francisco Regional Water Board Report and Elimination Report and Eliminatio		Entitles	воау	
Region 2: San Francisco Regional Water Board III				
iii. Pet Waste Management. Develop and Implement enforceable means of reducing/eliminating fecal coliform loading from pet waste. Wiii. Williot Discharge Detection and Elimination. Develop and Implement strategies to detect and eliminate illicit discharges (whether mistaken or deliberate) of sewage to Tomales Bay. Wiii. Pollution Prevention and Good Housekeeping. Develop and Implement strategies to reduce/eliminate fecal coliform loading from streets, parking lots, sidewalks, and other urban areas that potentially collect and discharge fecal coliform to Tomales Bay. Wiii. Wiii	Water Board Nes. No.			
reducing/eliminating fecal coliform loading from pet waste. Fill Fi			Region 2: Sa	an Francisco Regional Water Board
reducing/eliminating fecal coliform loading from pet waste. Fill Fi				iii. Pet Waste Management. Develop and Implement enforceable means of
Illicit Discharge Detection and Elimination. Develop and Implement strategies to detect and eliminate illicit discharges (whether mistaken or deliberate) of sewage to Tomales Bay. Pollution Prevention and Good Housekeeping. Develop and Implement strategies to reduce/eliminate fecal coliform loading from streets, parking lots, sidewalks, and other urban areas that potentially collect and discharge fecal coliform to Tomales Bay. Peport annually-yearly in the Annual Report on water quality monitoring results and progress made on implementation of human and animal runoff reduction measures. The wasteload allocations (WLA) identified in the Fact Sheet of this Order are incorporated by reference. A final compliance deadline for compliance with the WLA is not specified in the TMDL. TMDL for Richardson Bay Pathogens Purpose of Provisions				
eliminate illicit discharges (whether mistaken or deliberate) of sewage to Tomales Bay. wiii				
Wijii				
Pollution Prevention and Good Housekeeping. Develop and Implement strategies to reduce/eliminate feeal coliform loading from streets, parking lots, sidewalks, and other urban areas that potentially collect and discharge feeal coliform to Tomales Bay. V. Report annually yearly in the Annual Report on water quality monitoring results and progress made on implementation of human and animal runoff reduction measures. The wasteload allocations (WLA) identified in the Fact Sheet of this Order are incorporated by reference. A final compliance deadline for compliance with the WLA is not specified in the TMDL. TMDL for Richardson Bay Pathogens				, ,
reduce/eliminate fecal coliform loading from streets, parking lots, sidewalks, and other urban areas that potentially collect and discharge fecal coliform to Tomales Bay. Wili.iv. V. Report annually yearly in the Annual Report on water quality monitoring results and progress made on implementation of human and animal runoff reduction measures. The wasteload allocations (WLA) identified in the Fact Sheet of this Order are incorporated by reference. A final compliance deadline for compliance with the WLA is not specified in the TMDL. TMDL for Richardson Bay Pathogens Effective Date: December 18, 2009 BPA: Chapter 7, Water Quality Attainment Strategies including TMDLs City of Mill Valley City of Mill Valley City of Sausalito City of Sausalito City of Tiburon City of Tiburon City of Tiburon TMDLS Resolution No. R2-2008-0061 City of Tiburon The Annual Report on water quality dentified in the Fact Sheet of this Order are incorporated by reference. A final compliance deadline for compliance with the WLA is not specified in the TMDL. Purpose of Provisions The purpose of Hose provisions is to implement the requirements of the Richardson Bay pathogens The Richardson Bay pathogens TMDL assigns a wasteload allocation to municipal storm water as follows: **These allocations are applicable year-round.** **Desection of Interventing the Richardson Bay Pathogens TMDL Wasteload Allocations The Municipalities Phase II entities identified in this TMDL section shall implement the following actions.				
urban areas that potentially collect and discharge fecal coliform to Tomales Bay. wiii.iv. Y. Report annually-yearly in the Annual Report on water quality monitoring results and progress made on implementation of human and animal runoff reduction measures. The wasteload allocations (WLA) identified in the Fact Sheet of this Order are incorporated by reference. A final compliance deadline for compliance with the WLA is not specified in the TMDL. TMDL for Richardson Bay Pathogens Effective Date: December 18, 2009 BPA: Chapter 7, Water Quality Attainment Strategies including TMDLs Resolution No. R2-2008-0061 City of Mill Valley City of Sausalito City of Sausalito City of Tiburon The Wasteload Allocations The Richardson Bay pathogens TMDL assigns a wasteload allocation to municipal storm water as follows: ### Fecal Coliform* ### (MPRN/100 mt.) ### These allocations are applicable year-round. ### These allocations are appl				
v. Report annually yearly in the Annual Report on water quality monitoring results and progress made on implementation of human and animal runoff reduction measures. The wasteload allocations (WLA) identified in the Fact Sheet of this Order are incorporated by reference. A final compliance deadline for compliance with the WLA is not specified in the TMDL. TMDL for Richardson Bay Pathogens Effective Date: December 18, 2009 BPA: Chapter 7, Water Quality Attainment Strategies including TMDLs Resolution No. R2-2008-0061 Resolution No. R2-2008-0061 City of Sausalito City of Sausalito City of Tiburon The Subscription of the Subscription of the Richardson Bay Pathogens TMDL assigns a wasteload allocation to municipal storm water as follows: Fecal Coliform* (MPN/100 mL) Median* Qui* Percentile* At 44 These allocations are applicable year-round. Beaced on a minimum of five consecutive samples equally spaced over a 30-day period on a minimum of five consecutive samples during any 30-day period may exceed this number. Requirements for Implementing the Richardson Bay Pathogens-TMDL wasteload Allocations The Municipalities Phase II entities identified in this TMDL section shall implement the following actions.				urban areas that potentially collect and discharge fecal coliform to Tomales Bay.
progress made on implementation of human and animal runoff reduction measures. The wasteload allocations (WLA) identified in the Fact Sheet of this Order are incorporated by reference. A final compliance deadline for compliance with the WLA is not specified in the TMDL. TMDL for Richardson Bay Pathogens Effective Date: December 18, 2009 BPA: Chapter 7, Water Quality Attainment Strategies including TMDLs Resolution No. R2-2008-0061 City of Sausalito City of Tiburon The Median 90 Percentile 100 Percentile				
TMDL for Richardson Bay Pathogens Effective Date: December 18, 2009 BPA: Chapter 7, Water Quality Attainment Strategies including TMDLs Resolution No. R2-2008-0061 City of Tiburon The wasteload allocations (WLA) identified in the Fact Sheet of this Order are incorporated by reference. A final compliance deadline for compliance with the WLA is not specified in the TMDL. Purpose of Previsions The purpose of these provisions is to implement the requirements of the Richardson Bay pathogens The Richardson Bay pathogens TMDL assigns a wasteload allocation to municipal storm water as follows: City of Mill Valley City of Tiburon City of Tiburon City of Tiburon The Wasteload Allocations The Richardson Bay pathogens TMDL assigns a wasteload allocation to municipal storm water as follows: Fecal Coliform (MPN/100 mL) Median 9 90 Percentille 443 These allocations are applicable year-round. Sased on a minimum of five consecutive samples equally spaced over a 30 day period The Normal Pathogens TMDL wasteload Allocations Requirements for Implementing the Richardson Bay Pathogens TMDL wasteload Allocations The Municipalities Phase II entities identified in this TMDL section shall implement the following actions.				
TMDL for Richardson Bay Pathogens Effective Date: December 18, 2009 BPA: Chapter 7, Water Quality Attainment Strategies including TMDLs Resolution No. R2-2008-0061 City of Tiburon Tiburon Tiburon City of Tiburon Tiburon City of Tiburon Teference. A final compliance deadline for compliance with the WLA is not specified in the TMDL. Richardson Bay Purpose of Provisions The purpose of these provisions is to implement the requirements of the Richardson Bay pathogens The Purpose of Provisions The purpose of these provisions is to implement the requirements of the Richardson Bay pathogens The Richardson Bay pathogens TMDL assigns a wasteload allocation to municipal storm water as follows: The Richardson Bay pathogens TMDL assigns a wasteload allocation to municipal storm water as follows: The Richardson Bay pathogens TMDL assigns a wasteload allocation to municipal storm water as follows: The Richardson Bay pathogens TMDL assigns a wasteload allocation to municipal storm water as follows: The Richardson Bay pathogens TMDL assigns a wasteload allocation to municipal storm water as follows: Richardson Bay pathogens TMDL assigns a wasteload allocation to municipal storm water as follows: The Richardson Bay pathogens TMDL assigns a wasteload allocation to municipal storm water as follows: The Richardson Bay pathogens TMDL assigns a wasteload allocation to municipal storm water as follows: The Richardson Bay pathogens TMDL wasteload Allocations The Richardson Bay pathogens TMDL wasteload Allocations				The wasteload allocations (WLA) identified in the Fact Sheet of this Order are incorporated by
Effective Date: December 18, 2009 BPA: Chapter 7, Water Quality Attainment Strategies including TMDLs Resolution No. R2-2008-0061 City of Tiburon City of Tiburon Marin County TMDL Wasteload Allocations The Richardson Bay pathogens TMDL assigns a wasteload allocation to municipal storm water as follows: Fescal Coliform® (MPN/100 mL)				reference. A final compliance deadline for compliance with the WLA is not specified in the TMDL.
Effective Date: December 18, 2009 BPA: Chapter 7, Water Quality Attainment Strategies including TMDLs Resolution No. R2-2008-0061 City of Tiburon City of Tiburon Marin County TMDL Wasteload Allocations The Richardson Bay pathogens TMDL assigns a wasteload allocation to municipal storm water as follows: Fescal Coliform® (MPN/100 mL)				
Effective Date: December 18, 2009 BPA: Chapter 7, Water Quality Attainment Strategies including TMDLs Resolution No. R2-2008-0061 City of Sausalito City of Tiburon City of Tiburon Marin County TMDL Wasteload Allocations The Richardson Bay pathogens TMDL assigns a wasteload allocation to municipal storm water as follows: Fecal Coliform® (MPN/100 mL) Median® 90® Percentile® 414 443 These allocations are applicable year-round. Based on a minimum of five consecutive samples equally spaced over a 30 day period en No more than 10% of total samples during any 30-day period may exceed this number Requirements for Implementing the Richardson Bay Pathogens-TMDL Wasteload Allocations The Municipalities Phase II entities identified in this TMDL section shall implement the following actions.		City of Belvedere	Richardson Bay	
Effective Date: December 18, 2009 BPA: Chapter 7, Water Quality Attainment Strategies including TMDLs Resolution No. R2-2008-0061 City of Mill Valley City of Sausalito City of Tiburon City of Tiburon Marin County TMDL Wasteload Allocations The Richardson Bay pathogens TMDL assigns a wasteload allocation to municipal storm water as follows: Fecal Coliform® (MPN/100 mL) Median® 90 Percentile® 414 43 These allocations are applicable year-round. based on a minimum of five consecutive samples equally spaced over a 30-day period No more than 10% of total samples during any 30-day period may exceed this number	Patnogens			
BPA: Chapter 7, Water Quality Attainment Strategies including TMDLs Resolution No. R2-2008-0061 City of Sausalito City of Tiburon TMDL Wasteload Allocations The Richardson Bay pathogens TMDL assigns a wasteload allocation to municipal storm water as follows: Fecal Coliform® (MPN/100 mL) Median® Percentille® Allocations These allocations are applicable year-round. Based on a minimum of five consecutive samples equally spaced over a 30-day period No more than 10% of total samples during any 30-day period may exceed this number Requirements for Implementing the Richardson Bay Pathogens TMDL Wasteload Allocations The Municipalities Phase II entities identified in this TMDL section shall implement the following actions.	Effective Date: December 18.	Marin County		THISE.
BPA: Chapter 7, Water Quality Attainment Strategies including TMDLs Resolution No. R2-2008-0061 City of Sausalito City of Tiburon City of Sausalito				
Attainment Strategies including TMDLs Resolution No. R2-2008-0061 City of Sausalito City of Sausalito City of Tiburon Requirements for Implementing the Richardson Bay Pathogens-TMDL-Wasteload Allocations Requirements for Implementing the Richardson Bay Pathogens-TMDL-Wasteload Allocations The Municipalities Phase II entities identified in this TMDL section shall implement the following actions.				
TMDLs Resolution No. R2-2008-0061 City of Sausalito City of Tiburon Ci		City of Mill Valley		follows:
City of Sausalito City of Tiburon City				Focal Coliform ^a
Resolution No. R2-2008-0061 City of Tiburon City of Tiburon City of Tiburon Requirements for Implementing the Richardson Bay Pathogens TMDL Wasteload Allocations The Municipalities Phase II entities identified in this TMDL section shall implement the following actions.	TIVIDES	City of Sausalito		
City of Tiburon **These allocations are applicable year-round. **based on a minimum of five consecutive samples equally spaced over a 30-day period **No more than 10% of total samples during any 30-day period may exceed this number **Requirements for Implementing the Richardson Bay Pathogens-TMDL-Wasteload Allocations The Municipalities Phase II entities identified in this TMDL section shall implement the following actions.	Resolution No. R2-2008-0061	ony or oddodino		
These allocations are applicable year-round. b-based on a minimum of five consecutive samples equally spaced over a 30-day period C-No more than 10% of total samples during any 30-day period may exceed this number Requirements for Implementing the Richardson Bay Pathogens-TMDL-Wasteload Allocations The Municipalities Phase II entities identified in this TMDL section shall implement the following actions.				
b-based on a minimum of five consecutive samples equally spaced over a 30-day period CNo more than 10% of total samples during any 30-day period may exceed this number Requirements for Implementing the Richardson Bay Pathogens TMDL Wasteload Allocations The Municipalities Phase II entities identified in this TMDL section shall implement the following actions.		City of Tiburon		^a These allocations are applicable year-round.
Requirements for Implementing the Richardson Bay Pathogens TMDL Wasteload Allocations The Municipalities Phase II entities identified in this TMDL section shall implement the following actions.				^b -based on a minimum of five consecutive samples equally spaced over a 30-day period
The Municipalities Phase II entities identified in this TMDL section shall implement the following actions.				No more than 10% of total samples during any 30-day period may exceed this number
The Municipalities Phase II entities identified in this TMDL section shall implement the following actions.				Poguiromente for Implementing the Pichardson Pay Pethogone TMDI. Westeland Allegations
The Municipalities Phase II entities identified in this TMDL section shall implement the following actions,				Requirements for implementing the Alchardson bay Fathogens Livide Wasteload Allocations
officially a jump a distable by the width in 40 months of namet a deptine				The Municipalities Phase II entities identified in this TMDL section shall implement the following actions.
effective immediately: by within 18 months of permit adoption:				effective immediately: by within 18 months of permit adoption:
i.——Public Participation and Outreach. Educate the public regarding sources of fecal coliform				Public Participation and Outreach. Educate the public regarding sources of fecal coliform
and associated health risks of fecal coliform in surface waters. Educate the public regarding				and associated health risks of fecal coliform in surface waters. Educate the public regarding
actions that individuals can take to reduce pathogen loading.				actions that individuals can take to reduce pathogen loading.

TMDL Effective Date	Phase II Municipality	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date Basin Plan Amendment (BPA) Water Board Res. No.	<u>Entities</u>	Body	
		Region 2: Sa	n Francisco Regional Water Board
			 iii.ii. Pet Waste Management. Develop and ilmplement enforceable means of reducing/eliminating fecal coliform loading from pet waste. iv.iii. Illicit Discharge Detection and Elimination. Develop and ilmplement strategies to detect and eliminate illicit discharges (whether mistaken or deliberate) of sewage to Richardson Bay. v.iv. Pollution Prevention and Good Housekeeping. Develop and ilmplement strategies to reduce/eliminate fecal coliform loading from streets, parking lots, sidewalks, and other urban areas that potentially collect and discharge fecal coliform to Richardson Bay. vi.v. Report annually yearly in the Annual Report on progress made on implementation of pathogen reduction measures. The wasteload allocations (WLA) identified in the Fact Sheet of this Order are incorporated by reference. A final compliance deadline for compliance with the WLA is not specified in the TMDL.
TMDL Effective Date Basin Plan Amendment (BPA) Water Board Resolution No.	Municipality	Impaired Water Body	Deliverables/Actions Required/Waste Load Allocations
		Region 2: Sa	n Francisco Regional Water Board

TMDL Effective Date	Phase II Municipality Entities	Impaired Water Body	Deliverables/Actions Required/ Waste Load Allocations
Basin Plan Amendment (BPA) Water Board Res. No.			
		Region 2: Sa	n Francisco Regional Water Board
		ı	Purpose of Provision
TMDL for Urban Creeks Diazinon & Pesticide Toxicity	City of Belvedere	Arroyo Corte Madera del	The purpose of the following provisions is to prevent the impairment of urban streams by pesticide-
Effective Date: May 16, 2007	Town of Corte Madera	Presidio	related toxicity. This provision implements requirements of the TMDL for Diazinon and Pesticide Related Toxicity for Urban Creeks in the San Francisco Bay Region. Pesticides of concern include:
BPA: BPA – Chapter 3, Toxicity	Town of Fairfax	Corte Madera	organophosphorous pesticides (chlorpyrifos, diazinon, and malathion); pyrethroids (bifenthrin, cyfluthrin, beta-cyfluthrin, cypermethrin, deltamethrin, esfenvalerate, lambda-cyhalothrin, permethrin,
Resolution No. R2-2005-0063	City of Larkspur	Creek	and tralomethrin); carbamates (e.g., carbaryl); and fipronil.
	Marin County	Coyote Creek	Wastelead Allocations Diazinon: 100 ng/l
	City of Mill Valley	(Marin Co.)	Toxicity: 1.0 TUa (acute toxicity units) and 1.0 TUc (chronic toxicity units)
	City of Novato	Gallinas Creek	Requirements for Implementing the TMDLWasteload Allocations
	City of Petaluma		Urban runoff management agencies' responsibilities for addressing the allocations set above in the TMDL will be satisfied by complying with the requirements set forth below. Permittees identified in this
	Town of Ross	Miller Creek	TMDL section may coordinate with the Bay Area Storm wWater Management Agencies Association, the Urban Pesticide Pollution Prevention Project, the Urban Pesticide Committee, and other agencies and organizations in carrying out these activities.
	Town of	Novato Creek	
	San Anselmo		A. Adoptimplement athe Pesticide-Related Toxicity Control Program To prevent the impairment of urban streams by pesticide-related toxicity, the Phase II entities
	City of San Rafael	San Antonio Creek	identified in this TMDL section shall adoptimplement an Integrated Pest Management Policy (IPM) or Ordinance, applicable to all the permittees' operations and property, as described in the Basin Plan amendment (Implementation Section) for this TMDL Fact Sheet of this Order.
	City of Sausalito	San Rafael Creek	The IPM Policy or Ordinance shall be adopted by the permittee's governing body within 18 months of
Urban Creek	City of Sonoma		permit adoption
Diazinon & Pesticide Toxicity (continued)	County of Sonoma	Petaluma River	B. Implement the Pesticide-Related Toxicity Control Program Implementation actions shall include:
	Town of Tiburon	Calabazas Creek	 Ensure all municipal employees who apply or use pesticides within the scope of their duties are trained in the IPM practices and policy/ordinance.
			Require all contractors to implement the IPM policy/ordinance.
			 Keep the County Agricultural Commissioners informed of water quality issues related to pesticides and of violations of pesticides regulations (e.g., illegal handling) associated with storm water management.
			Conduct outreach to residents and pest control applicators on less toxic methods of pest
2013-0001-DWQ as a	amended by Order 2016	S-XXXX-DWQ	11 February 5, 2013 June 2017

TMDL			Deliverables/Actions Dequired/Mesta Load Allegations
	Phase II Municipality	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	Entities	Body	
Basin Plan Amendment (BPA)			
Water Board Res. No.			
		Region 2: Sa	n Francisco Regional Water Board
		I	control
			control.
			Keep records of the permittees' own use of pesticides of concern and the pesticide use by the
			permittees' hired contractors. Report on pesticide use when requested by the Regional Water
			Board.
			Monitor water and sediment for pesticides and associated toxicity in urban creeks via an in this ideal are reliable to a second to a second to a fellowing a second to a second t
			individual or regional program designed to answer the following questions:
			Are the TMDL toxicity targets being met? In toxicity absorbed in whom procles assumed by a posticide?
			Is toxicity observed in urban creeks caused by a pesticide? In urban runoff the course of any observed toxicity in urban creeks?
			 Is urban runoff the source of any observed toxicity in urban creeks? How does observed pesticide-related toxicity in urban creeks (or pesticide concentrations
			 How does observed pesticide-related toxicity in urban creeks (or pesticide concentrations contributing to such toxicity) vary in time and magnitude across urban creek watersheds,
			and what types of pest control practices contribute to such toxicity?
			 Are actions already being taken to reduce pesticide discharges sufficient to meet the targets, and if not, what should be done differently?
			targets, and it not, what should be done differently?
			The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. A
			final compliance deadline for compliance with the WLA is not specified in the TMDL.
			initial compliance deadline for compliance with the WEA is not specified in the TWDE.

TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	Entities Municipality	Body	
Basin Plan Amendment (BPA)			
Water Board Resolution No.			
		Danien 2. C	antiral Coast Davianal Water Daard
		Region 3. C	entral Coast Regional Water Board
			Purpose of Provisions
TMDL and Implementation Plan	City of Morro Bay	Morro Bay	The purpose of these provisions is to implement the requirements of the Morro Bay (Chorro and Los
for Pathogens for Morro Bay	. ,		Osos Creeks) Pathogen TMDL.
and Chorro and Los Osos		Chorro Creek	
Creeks	County of San Luis		TMDL Wasteload Allocations
Pathogens	Obispo	Los Osos Creek	The City of Morro Bay and County of San Luis Obispo are assigned the following wastelead allocations:
			1) for discharges to Los Osos Creek, Chorro Creek, and their tributaries, the fecal coliform geometric
Effective Date: 11/19/2003		Pennington	mean concentration shall not exceed 200 MPN/100 mL over a 30-day period nor shall 10% of the
		Creek	samples exceed 400 MPN/100 mL over any 30-day period. 2) For discharges to Morro Bay, the fecal
BPA: Chapter 4			coliform geometric mean concentration of 14 MPN/100 mL must be achieved and no more than 10% of
•		San Bernardo	the samples may be over 43 MPN/100 mL.
Resolution No. R3-2003-0060		Creek	
			Provisions Requirements for Implementing the TMDL
		San Luisito Creek	Within one year of adoption of this Order Effective immediately, the Phase II entities identified in this
			TMDL sectionCity of Morro Bay and County of San Luis Obispo (hereafter referred to in this TMDL
		Walters Creek	section as "the MS4") shall each develop, submit, and begin implementation implement of a Wasteload
			Allocation Attainment Program that identifies the actions they will take to attain their wasteload
		Warden Creek	allocations. The Wasteload Allocation Attainment Programs shall include:
			1. A detailed description of the strategy the MS4 will use to guide BMP selection, assessment, and
			implementation, to ensure that BMPs implemented will be effective at abating pollutant sources,
			reducing pollutant discharges, and achieving wasteload allocations according to the TMDL
			schedule
			2. Identification of sources of the impairment within the MS4's jurisdiction, including specific
			information on various source locations and their magnitude within the jurisdiction.
			3. Prioritization of sources within the MS4's jurisdiction, based on suspected contribution to the
			impairment, ability to control the source, and other pertinent factors.
			4. Identification of BMPs that will address the sources of impairing pollutants and reduce the
			discharge of impairing pollutants.
			5. Prioritization of BMPs, based on suspected effectiveness at abating sources and reducing
			impairing pollutant discharges, as well as other pertinent factors. 6. Identification of BMPs the MS4 will implement, including a detailed implementation schedule. For
			Identification of BMPs the MS4 will implement, including a detailed implementation schedule. For each BMP, identify milestones the MS4 will use for tracking implementation, measurable goals the
			MS4 will use to assess implementation efforts, and measures and targets the MS4 will use to
			assess effectiveness. MS4s shall include expected BMP implementation for future implementation
			years, with the understanding that future BMP implementation plans may change as new
			years, with the understanding that future bivin implementation plans may change as new

THE			ved TMDLS with urban runon listed as a source						
TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations						
Effective Date	Entities Municipality	Body							
Basin Plan Amendment (BPA)									
Water Board Resolution No.									
	Region 3: Central Coast Regional Water Board								
			information is obtained.						
			7. A quantifiable numeric analysis demonstrating the BMPs selected for implementation will likely						
			achieve, based on modeling, published BMP pollutant removal performance estimates, best						
TMDL and Implementation Plan			professional judgment, and/or other available tools, the MS4's wasteload allocation according to						
for Pathogens for Morro Bay			the schedule identified in the TMDLA quantifiable numeric analysis that uses published BMP						
and Chorro and Los Osos			pollutant removal estimates, performance estimates, modeling, best professional judgment, and/or						
Creeks			other available tools to demonstrate that the BMP selected for implementation achieved the MS4's						
Pathogens			wasteload allocation. This analysis will most likely incorporate modeling efforts. The MS4 shall						
(Continued)			conduct repeat numeric analyses as the BMP implementation plans evolve and information on						
(Continued)			BMP effectiveness is generated.						
			7.—Once the MS4 has water quality data from its monitoring program, the MS4 shall incorporate water						
			quality data into the numeric analyses to validate BMP implementation plans.						
			assess discharge and receiving water quality, BMP effectiveness, and progress towards any						
			interim targets and ultimate attainment of the MS4's wasteload allocation. The monitoring program						
			shall be designed to validate BMP implementation efforts and quantitatively demonstrate						
			attainment interim targets and wasteload allocations.						
			8-9. If the approved TMDL does not explicitly include interim targets, the MS4 shall establish interim						
			targets (and dates when stormwater discharge conditions will be evaluated) that are equally						
			spaced in time over the TMDL compliance schedule and represent measurable, continually						
			decreasing MS4 discharge concentrations or other appropriate interim measures of pollution						
			reduction and progress towards the wasteload allocation. Where TMDL compliance schedules						
			have passed, but Wasteload Allocations have not been achieved by [Hard Date, date of adoption],						
			the MS4 shall consult with the Regional Water Board to establish dates to meet new interim						
			targets and to achieve wasteload allocations. At least one interim target and date must occur						
			during the <u>first</u> five-year term of this Order. The MS4 shall achieve its interim targets by the date it						
			specifies in the Wasteload Allocation Attainment Program. If the MS4 does not achieve its interim						
			target by the date specified, the MS4 shall develop and implement more effective BMPs that it can						
			quantitatively demonstrate will achieve the next interim target.						
			9-10. A detailed description of how the MS4 will assess BMP and program effectiveness. The						
			description shall incorporate the assessment methods described in the CASQA Municipal Storm						
			<u>W</u> water Program Effectiveness Assessment Guide.						
			10.11. A detailed description of how the MS4 will modify the program to improve upon BMPs						
			determined to be ineffective during the effectiveness assessment.						
			41.12. A detailed description of information the MS4 will include in annual reports to demonstrate						
			adequate progress towards attainment of wasteload allocations according to the TMDL schedule.						
			42.13. A detailed description of how the MS4 will collaborate with other agencies, stakeholders, and						
			the public to develop and implement the Wasteload Allocation Attainment Program.						
			13.14. Any other items identified by Integrated Report fact sheets, TMDL Project Reports, TMDL						
			Resolutions, or that are currently being implemented by the MS4 to control its contribution to the						
0040 0004 DMO		2 VVVVV DIMO	5.1 5.0040.10047						

TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	Entities Municipality	Body	Deliverables/Actions Required/Waste Load Allocations
Basin Plan Amendment (BPA)	Litticomaniorpanty	Dody	
Water Board Resolution No.			
Train Dana Hassianisi Har			
		Region 3: C	entral Coast Regional Water Board
			impairment.
			All allocations shall be achieved by November 19, 2013. The wasteload allocations identified in the Fact
			Sheet of this Order are incorporated by reference. The wasteload allocations were required to be
			achieved by November 19, 2013, and are effective immediately.
			Provisions Requirements for Implementing the TMDL
TMDL and Implementation Plan	County of Santa Cruz	Watsonville	The City and County public participation and outreach efforts must include the following tasks: a)
for Watsonville Slough		Slough	Educating the public about sources of fecal coliform and its associated health risks in surface waters;
Pathogens			and b) Identifying and promoting specific actions that responsible parties can implement to reduce
	City of Watsonville	Struve Slough	pathogen loading from sources such as homeless encampments, agricultural field workers, and
Effective Date: 11/20/2006		Hankina Olavak	homeowners who contribute waste from domestic pets.
BPA: Chapter 4 Resolution No. R3-2006-0025		Harkins Slough Gallighan Slough	Effective immediately, the Phase II entities identified in this TMDL section County of Santa Cruz and City
Resolution No. R3-2006-0025			of Watsonville shall implement practices that will assure their allocation is achieved. The Phase II
			entities identified in this TMDL sectionhe County of Santa Cruz and City of Watsonville (hereafter
			referred to in this TMDL section as "the MS4") shall each implement a Wasteload Allocation Attainment
		Hanson Slough	Program that identifies the actions they will take to attain their wasteload allocations. The Wasteload
			Allocation Attainment Programs shall include:
			1. A detailed description of the strategy the MS4 will use to guide BMP selection, assessment, and
			implementation, to ensure that BMPs implemented will be effective at abating pollutant sources,
			reducing pollutant discharges, and achieving wasteload allocations according to the TMDL schedule.
			 Identification of sources of the impairment within the MS4's jurisdiction, including specific
			information on various source locations and their magnitude within the jurisdiction.
			3. Prioritization of sources within the MS4's jurisdiction, based on suspected contribution to the
			impairment, ability to control the source, and other pertinent factors.
			4. Identification of BMPs that will address the sources of impairing pollutants and reduce the
			discharge of impairing pollutants.
			5. Prioritization of BMPs, based on suspected effectiveness at abating sources and reducing
		NAVA DIMO	impairing pollutant discharges, as well as other pertinent factors.

TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations					
Effective Date	Entities Municipality	Body						
Basin Plan Amendment (BPA)								
Water Board Resolution No.								
Region 3: Central Coast Regional Water Board								
TMDL and Implementation Plan			6. Identification of BMPs the MS4 will implement, including a detailed implementation schedule. For					
for Watsonville Slough			each BMP, identify milestones the MS4 will use for tracking implementation, measurable goals the					
Pathogens (Ceontinued)			MS4 will use to assess implementation efforts, and measures and targets the MS4 will use to assess effectiveness. MS4s shall include expected BMP implementation for future implementation					
<u>(c</u> eontinued)			years, with the understanding that future BMP implementation plans may change as new					
			information is obtained.					
			7. A quantifiable numeric analysis that uses published BMP pollutant removal estimates,					
			performance estimates, modeling, best professional judgment, and/or other available tools to					
			demonstrate that the BMP selected for implementation will likely achieve the MS4's wasteload					
			allocation by the schedule identified in the TMDL. This analysis will most likely incorporate					
			modeling efforts. The MS4 shall conduct repeat numeric analyses as the BMP implementation					
			plans evolve and information on BMP effectiveness is generated. Once the MS4 has water quality					
			data from its monitoring program, the MS4 shall incorporate water quality data into the numeric					
			analyses to validate BMP implementation plans. 8. A detailed description, including a schedule, of a monitoring program the MS4 will implement to					
			assess discharge and receiving water quality, BMP effectiveness, and progress towards any					
			interim targets and ultimate attainment of the MS4s' wasteload allocation. The monitoring program					
			shall be designed to validate BMP implementation efforts and quantitatively demonstrate					
			attainment of interim targets and wasteload allocations.					
			8-9. If the approved TMDL does not explicitly include interim targets, the MS4 shall establish interim					
			targets (and dates when stormwater discharge conditions will be evaluated) that are equally					
			spaced in time over the TMDL compliance schedule and represent measurable, continually					
			decreasing MS4 discharge concentrations or other appropriate interim measures of pollution					
			reduction and progress towards the wasteload allocation. Where TMDL compliance schedules have passed, but Wasteload Allocations have not been achieved by [Hard Date, date of adoption].					
			the MS4 shall consult with the Regional Water Board to establish dates to meet new interim					
			targets and to achieve wasteload allocations. At least one interim target and date must occur					
			during the five-year term of this Order. The MS4 shall achieve its interim targets by the date it					
			specifies in the Wasteload Allocation Attainment Program. If the MS4 does not achieve its interim					
			target by the date specified, the MS4 shall develop and implement more effective BMPs that it can					
			quantitatively demonstrate will achieve the next interim target.					
			9.10. A detailed description of how the MS4 will assess BMP and program effectiveness. The					
			description shall incorporate the assessment methods described in the CASQA Municipal Storm					
			wWater Program Effectiveness Assessment Guide.					
			40.11. A detailed description of how the MS4 will modify the program to improve upon BMPs determined to be ineffective during the effectiveness assessment.					
			41.12. A detailed description of information the MS4 will include in annual reports to demonstrate					
			adequate progress towards attainment of wasteload allocations according to the TMDL schedule.					
			12.13. A detailed description of how the MS4 will collaborate with other agencies, stakeholders, and					
			the public to develop and implement the Wasteload Allocation Attainment Program.					
2013-0001-DWO as a	mended by Order 2016	S-YYYY-DWO	16 <u>February 5, 2013 June 2017</u>					

Impaired Water Body Phase Entitles Municipality Body	TMDI	Regional water board-Approved Twides with drain runon listed as a source							
Region 3: Central Coast Regional Water Board Resolution No.			-	Deliverables/Actions Required/ Waste Load Allocations					
Region 3: Central Coast Regional Water Board TMDL and Implementation Plan for Watsonville Slough Pathogons (Coninued) TMDL for Facal Coliform in Paginor River, San Bention River, Liapas Creek, Requesquita Slough, San Juan Creek Carnadero/Juvas Creek, Bird Creek, Pescadero Creek, Carnadero/Juvas Creek, Bird Creek, Pescadero Creek, Tres Pinos Creek, Furlong (Jones) Creek, Santa Ana Creek Pescaderor Creek, Turlong (Jones) Creek, Pachecho Creek Feed Coliform Effective Date: 07/12/2010 BPA: Chapter 4 Resolution No. RB3-2009-0008 Region 3: Central Coast Regional Water Board Id. Any other items identified by Integrated Report fact sheets, TMDL Project Reports, TMDL Resolutions, or that are currently being implemented by the MS4 to control its contribution to the impairment, including public education and participation-tems-denilized-beve. The MS4 public participation and participation-tems-denilized-beve. The MS4 public participation and participation-tems-denilized-beve. The MS4 public participation and participation-tems-denilized-beve. The MS4 public participation-tems-denilized-bever. The MS4 public participation-tems-denilized-bever. The MS4 public participation-tems-denilize		<u>Entities</u> Municipality	Body						
TMDL and Implementation Plan for Watsonville Stough Patrogens (Continued) 14. Any other items identified by Integrated Report fact sheets, TMDL Project Reports, TMDL Resolutions, or that are currently being implemented by the MS4 to control its contribution to the impairment, including public about sources of fecal coliform and including public about sources of fecal coliform and including public about sources of fecal coliform and its associated health risks in surface vaters; and by Identifying and promoting specific actions that responsible parties can implement to reduce pathogen loading from sources such as homeless and the saccistated health risks in surface vaters; and by Identifying and promoting specific actions that responsible parties can implement to reduce pathogen loading from sources such as homeless ampments, anicutural field workers, and homeowners who contribute waster from domestic pets. The vaselboad allocations dentified in the Fact Sheet of this Order are incorporated by reference. The wastelboad allocations shall be achieved by November 20, 2016. Pajaro River, San Benito River, Liagas Creek, Tequesquita Slough and Parties of the Pajaro River, San Benito River, Liagas Creek, Tequesquita Slough, San Juan Creek, Paced Coliforn ThDL. Table Javateload Allocations Creek, Packed Coliforn Effective Date: 07/1/2/2010 BPA: Chapter 4 Resolution No. RB3-2009-0008 Resolution, or that are currently being injuding and the Counter of the Pajaro River, San Benito River, Liagas Creek, Tequesquita Slough, San Juan Creek County of Monterey. County of Santa Cruz C									
TMDL and Implementation Plan for Watsonville Stough Pathogens (Continued) 14. Any other items identified by Integrated Report fact sheets, TMDL Project Reports, TMDL Resolutions, or that are currently being implemented by the MS4 to control its contribution to the impairment, including public about a participation and outreach efforts must include the following tasks: a) Educating the public about sources of feeal coliform in participation and outreach efforts must include the following tasks: a) Educating the public about sources of feeal coliform in participation and outreach efforts must include the following tasks: a) Educating the public about sources of feeal coliform in pair on the pair of the p	Water Board Resolution No.								
TMDL and Implementation Plan for Watsonville Stough Pathogens (Continued) 14. Any other items identified by integrated Report fact sheets, TMDL Project Reports, TMDL Resolutions, or that are currently being implemented by the MS4 to control its contribution to the impairment, including public education and participation. Here identified above. The MS4 public participation and outreach efforts must include the following tasks: a) Educating the public about sources of feeal colliform is associated health risks in surface waters; and by Identifying and promoting specific actions that responsible parties can implement to reduce pathogen loading from sources such as homelesses encampments, agricultural field workers, and homeowners who contribute waste from domestic pets. The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The wasteload allocations shall be achieved by November 20, 2016. Purpose of Provisions City of Hollister Carnadero/Uvas Creek, Bird Creek, Pescadero Creek, Tree Sinos Creek, Furlong (Jones) Creek, Santa Ana Creek, Pachecho Creek Pache									
Pathogons (Continued) Path	Region 3: Central Coast Regional Water Board								
Pathogons (Continued) Path									
Faced Collorm Effective Date: 07/12/2010 BPA: County of Santa Clara Effective Date: 07/12/2010 BPA: County of Santa Clara City of Morgan Hill County of Santa Clara County of Santa Craz County of Santa Clara County of Santa Clara County of Santa Craz County of Santa Clara County of Sant	TMDL and Implementation Plan			14. Any other items identified by Integrated Report fact sheets, TMDL Project Reports, TMDL					
impairment, including public education and participation atems identified above. The MS4 public participation and outreach efforts must include the following tasks: as Education the public about sources of feeal coliform and its associated health risks in surface waters; and b) Identifying and promoting specific actions that responsible parties can implement to reduce pathogene loading from sources such as homeless encamments, agricultural field workers, and homeowners who contribute waste from domestic pets. The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The wasteload allocations is that its proposed in the provisions is to implement the requirements of the Pajaro River, San Benito River, Llagas Creek, Tequesquita Slough, San Juan Creek, Carnadero/Livas Creek, Bird Creek, Pescadero Creek, Tree Pinos Creek, Furlong (Jones) Creek, Santa Ana Creek Creek, Packadero Creek, Furlong (Jones) Creek, Santa Ana Creek Packer Couliform Effective Date: 07/12/2010 BPA: Chapter 4 Resolution No. RB3-2009-0008 County of Santa Clara Resolution No. RB3-2009-0008 County of Watsonville Coun	for Watsonville Slough								
(Continued) Continued									
sources of fecal coliform and its associated health risks in surface waters, and b) Identifying and promoting specific actions that responsible parties can implement to reduce pathogen loading from sources such as homeless encampments, agricultural field workers, and homeowners who contribute waste from domestic pets. The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The wasteload allocations identified in the Fact Sheet of this Order and in the Fact Sheet of this Order are incorporated by reference. The wasteload allocations in the top order the Pajarc River, San Benito River, Liagas Creek, Teve Ingo. Creek, Santa Ana Creek, Carnadero/Lvas Creek, Facelon Citics of Hollister, Morgan Hil				participation and outreach efforts must include the following tasks: a) Educating the public about					
promoting specific actions that responsible parties can implement to reduce pathogen loading from sources such as ources such as delivered by November 20, 2016. The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The wasteload allocations shall be achieved by November 20, 2016. Pajaro River, San Benito River, Llagas Creek, Tequesquita Slough, San Juan Creek, Carnadero/Livas Creek, Piersedero Creek, Iffective Creek, Pescadero Creek, Piersed Creek, Pescadero Creek	<u>(0011111111111111111111111111111111111</u>			sources of fecal coliform and its associated health risks in surface waters; and b) Identifying and					
TMDL for Fecal Coliform in Pajaro River, San Benito River, Llagas Creek, Feducagulta Slough, San Juan Creek, Pachecho Creek, Parchecho Creek, Parchecho Creek, Pachecho Creek,									
TMDL for Fecal Coliform in Pajaro River, San Benito River, Llagas Creek, Frequesquita Slough, San Juan Creek, Carnadero/Uvas Creek, Bird Creek, Packadero Creek, Tres Pinos Creek, Furlong (Jones) Creek, Farland County of Monterey Effective Date: 07/12/2010 BPA: Chapter 4 Resolution No. RB3-2009-0008 County of Santa Citra County of Santa Cruz Creek City of Watsonville City of Watsonville County of Santa Cruz County of Santa Cruz Creek City of Watsonville County of Santa C									
TMDL for Fecal Coliform in Pajaro River, San Benito River, Llagas Creek, Tequesquita Slough, San Juan Creek, Carnadero/Uvas Creek, Bird Creek, Pescadero Creek, Tree Pinos Creek, Furlong (Jones) Creek, Santa Ana Creek Pachecho Allocations The Country Pachecho Pachecho Creek Pachecho Allocati									
TMDL for Fecal Coliform in Pajaro River, San Benito River, Ligas Creek, Tequesquita Slough, San Juan Creek, Carnadero/Uvas Creek, Bird Creek, Pescadero Creek, Furlong (Jones) Creek, Santa Ana Creek, Pachecho Creek, Fecal Coliform Effective Date: 07/12/2010 BPA: Chapter 4 Resolution No. RB3-2009-0008 Effective Date: 07/12/2010 BPA: Chapter 4 Resolution No. RB3-2009-0008 County of Santa Cruz Creek County of Santa Cruz Creek County of Santa Cruz Creek City of Watsonville City of Watsonville County of Santa Cruz Creek City of Watsonville City of Watsonville County of Santa Cruz Creek City of Watsonville County of Santa Cruz Creek County of Santa Cruz Creek City of Watsonville City of Watsonville County of Santa Cruz Creek City of Watsonville County of Santa Cruz Creek City of Watsonville County of Santa Cruz Creek City of Watsonville City of Watsonville County of Santa Cruz Creek City of Watsonville County of Santa Cruz Creek City of Watsonville City of Watsonville County of Santa Cruz Creek City o				Continuate Waste from domestic pete.					
TMDL for Fecal Coliform in Pajaro River, San Benito River, Ligas Creek, Tequesquita Slough, San Juan Creek, Carnadero/Uvas Creek, Bird Creek, Pescadero Creek, Furlong (Jones) Creek, Santa Ana Creek, Packed County of Santa Clara Effective Date: 07/12/2010 BPA: Chapter 4 Resolution No. RB3-2009-0008 Resolution No. RB3-2009-0008 Effective Date: 07/12/2010 BPA: Chapter 4 Resolution No. RB3-2009-0008 County of Santa Cruz Creek City of Watsonville City of Watsonville County of Santa Cruz Creek City of Watsonville City of									
TMDL for Fecal Coliform in Pajaro River, San Benito River, Llagas Creek, Tequesquita Slough, San Juan Creek, Carnadero/Luvas Creek, Bird Creek, Pescadero Creek, Furlong (Jones) Creek, Santa Ana Creek, Bird Creek, Pescadero Creek, Feral Coliform Effective Date: 07/12/2010 BPA: Chapter 4 Resolution No. RB3-2009-0008 County of Santa Cruz Creek Bird Creek Bird Creek Bird Creek City of Watsonville County of Santa Cruz Creek City of Watsonville County of Santa Cruz Creek Bird Creek Bird Creek Bird Creek Bird Creek Bird Creek Carnadero/Lvas Creek Carnadero/Lvas Creek Carnadero/Lvas Creek Carnadero/Lvas Creek Carnadero/Lvas Creek									
TMDL for Fecal Coliform in Pajaro River, San Benito River, Ligas Creek, Tequesquita Slough, San Juan Creek, Carnadero/Uvas Creek, Bird Creek, Pescadero Creek, Furlong (Jones) Creek, Santa Ana Creek, Pachecho Creek Fecal Coliform Effective Date: 07/12/2010 BPA: Chapter 4 Resolution No. RB3-2009-0008 County of Santa Cruz County of Santa Cruz Pescadero Creek City of Watsonville County of Santa Cruz Pescadero Creek City of Watsonville County of Santa Cruz Pescadero Creek City of Watsonville County of Santa Cruz Pescadero Creek City of Watsonville County of Santa Cruz Pescadero Creek City of Watsonville County of Santa Cruz Pescadero Creek City of Watsonville County of Santa Cruz Pescadero Creek City of Watsonville County of Santa Cruz Pescadero Creek City of Watsonville City of Watsonville County of Santa Cruz Pescadero Creek City of Watsonville City of Watson									
TMDL for Fecal Coliform in Pajaro River, San Benito River, Liagas Creek, Fequesquita Slough, San Juan Creek, Carnadero/Uvas Creek, Bird Creek, Pescadero Creek, Tres Pinos Creek, Santa Ana Creek, Pachecho Creek Fecal Coliform Effective Date: 07/12/2010 BPA: Chapter 4 Resolution No. RB3-2009-0008 County of Santa Clara County of Santa Cruz County of Santa Cruz County of Santa Creek Bird Creek Bird Creek City of Watsonville County of Santa Cruz County of Sant									
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Llagas Creek, Tequesquita Slough, San Juan Creek, Carnadero/Uvas Creek, Bird Creek, Pescadero Creek, Tres Pinos Creek, Furlong (Jones) Creek, Santa Ana Creek, Pachecho Creek Fecal Coliform Effective Date: 07/12/2010 BPA: Chapter 4 Resolution No. RB3-2009-0008 County of Santa Cruz Creek City of Watsonville County of Material Allocations The Cl		Gilroy							
Slough, San Juan Creek, Carnadero/Juas Creek, Bird Creek, Pescadero Creek, Tercek, Tres Pinos Creek, Pachecho Creek Pescadero Creek, Pachecho Creek Pescadero Pescad			San Benito River						
Carnadero/Uvas Creek, Bird Creek, Pescadero Creek, Tres Pinos Creek, Santa Ana Creek, Pachecho Creek Fecal Coliform Effective Date: 07/12/2010 BPA: Chapter 4 Resolution No. RB3-2009-0008 County of Santa Cruz County of Santa Cruz County of Santa Cruz County of Watsonville County of Santa Cruz County of Watsonville County of Santa Cruz The Cunties of Hollister, Mor				Coliform TMDL.					
Canadero/Juvas Creek, Bird Creek, Pescadero Creek, Tres Pinos Creek, Furlong (Jones) Creek, Santa Ana Creek, Pachecho Creek Fecal Coliform Effective Date: 07/12/2010 BPA: Chapter 4 Resolution No. RB3-2009-0008 County of Santa Cruz Creek City of Watsonville County of Santa Clara Creek City of Watsonville County of Matsonville and the Counties of Hollicter, Morgan Hill, Gilroy and Watsonville and t	Slough, San Juan Creek,	City of Hollister	Llagas Creek	TMDL Wastoload Allocations					
Creek, Packet Creek (Pack) (Packet, Packet (Pack) (Packet, Packet (Pack) (Packet) (P									
County of Monterey Creek, Santa Ana Creek, Pachecho Creek Fecal Coliform Effective Date: 07/12/2010 BPA: Chapter 4 Resolution No. RB3-2009-0008 County of Santa Cruz City of Watsonville County of Santa Cruz City of Watsonville County of Santa Cruz County of Santa Clara County of Santa Cruz County of Santa Clara County of Mentanty of Santa Clara									
Pachecho Creek Pachecho Creek Fecal Coliform Effective Date: 07/12/2010 BPA: Chapter 4 Resolution No. RB3-2009-0008 County of Santa Clara County of Santa Clara County of Santa Cruz Bird Creek These wasteload allocations are receiving water allocations; storm water discharge cannot cause or contribute to exceedance of the allocations are receiving water allocations; storm water discharge cannot cause or contribute to exceedance of the allocations are receiving water allocations are receiving water. These wasteload al		County of Monterey	Slough						
Effective Date: 07/12/2010 BPA: Chapter 4 Resolution No. RB3-2009-0008 County of Santa Cruz City of Watsonville County of Santa Clara Creek City of Monterey, Santa Clara and Monterey and the Cities of Hollister, Morgan Hill, Gilroy and Watsonville and Monterey and Monterey and the City and Watsonville and Monterey and Mon				of 200 MPN per 100ml, per shall more than ten percent of total samples collected during any 20 day.					
Effective Date: 07/12/2010 BPA: Chapter 4 Resolution No. RB3-2009-0008 County of Santa Cruz County of Santa Cruz City of Worgan Hill Carnadero/Uvas Creek Bird Creek Bird Creek County of Santa Cruz County of Santa Cruz County of Santa Cruz City of Worgan Hill Carnadero/Uvas Creek County of Santa Clara County of Santa Cruz County of Santa Cruz City of Worgan Hill Carnadero/Uvas Creek County of Santa Clara Creek City of Watsonville Carnadero/Uvas Creek County of Santa Clara Creek City of Watsonville Carnadero/Uvas Creek County of Santa Clara Creek City of Watsonville Carnadero/Uvas Creek County of Santa Clara Creek City of Watsonville Carnadero/Uvas Creek County of Santa Clara Creek City of Watsonville Carnadero/Uvas Creek County of Santa Clara Creek City of Watsonville County of Santa Cruz County o			San Juan Creek						
Effective Date: 07/12/2010 BPA: Chapter 4 Resolution No. RB3-2009-0008 County of Santa Cruz County of Santa Cruz County of Santa Cruz County of Santa Cruz City of Watsonville City of Watsonville City of Watsonville City of Watsonville County of Santa Cruz City of Watsonville City of Watsonville County of Santa Cruz County of Sa	Fecal Coliform	City of Morgan Hill		· ·					
BPA: Chapter 4 Resolution No. RB3-2009-0008 County of Santa Cruz Resolution No. RB3-2009-0008 County of Santa Cruz Pescadero Creek Tres Pinos Creek Tres Pinos Creek Furlong (Jones) Creek Furlong (Jones) Creek Santa Ana Creek Santa Ana Creek City of Watsonville The Counties of Santa Cruz, Santa Clara and Monterey and the Cities of Hollister, Morgan Hill, Gilroy and Watsonville are assigned allocations in the following water bedies: Pajaro River, San Benito River, Llagas Creek and Tequisquita Slough. County of Santa Cruz Pescadero Creek Tres Pinos Cree			Carnadero/Uvas						
BPA: Chapter 4 Resolution No. RB3-2009-0008 County of Santa Cruz City of Watsonville Furlong (Jones) Creek Furlong (Jones) Creek City of Watsonville Furlong (Jones) Creek Furlong (Jones) Creek City of Watsonville Furlong (Jones) Creek Furlong (Jones) City of Watsonville Furlong (Jones) City of Watsonville The Counties of Santa Cruz, Sa	Effective Date: 07/12/2010		Creek	contribute to exceedance of the allocations as measured in receiving water.					
Resolution No. RB3-2009-0008 County of Santa Cruz City of Watsonville		County of Santa Clara		The Counties of Sente Cruz, Sente Clare and Menterey and the Cities of Hellister, Mercen Hill, Citrey					
Resolution No. RB3-2009-0008 County of Santa Cruz City of Watsonville Furlong (Jones) Creek Furlong (Jones) Creek Santa Clara and Santa Cruz (hereafter referred to in this TMDL section as "the MS4") shall each develop, submit, and begin implementation of implement a Wasteload Allocation Attainment Program that identifies the actions they will take to attain their wasteload allocations. The Wasteload Allocation Attainment Programs shall include: 1. A detailed description of the strategy the MS4 will use to guide BMP selection, assessment, and implementation, to ensure that BMPs implemented will be effective at abating pollutant sources.	BPA: Chapter 4		Bird Creek						
County of Santa Cruz Pescadero Creek City of Watsonville Furlong (Jones) Creek Creek Santa Ana Creek City of Watsonville Furlong (Jones) Creek Santa Ana Creek City of Watsonville Furlong (Jones) Creek Furlong (Jones) Creek City of Watsonville Furlong (Jones) Creek Furlong (·								
Tres Pinos Creek City of Watsonville Tres Pinos Creek Furlong (Jones) Creek Santa Ana Creek Santa Ana Creek City of Watsonville Tres Pinos Creek Furlong (Jones) Creek Santa Ana Creek Santa Ana Creek Santa Ana Creek Tres Pinos Creek Furlong (Jones) Creek Santa Ana Creek Santa Ana Creek Liffective immediately, Within one year of adoption of this Order-the Phase II entities identified in this TMDL section as "the MS4") shall each develop, submit, and begin implementation of implement a Wasteload Allocation Attainment Program that identifies the actions they will take to attain their wasteload allocations. The Wasteload Allocation Attainment Programs shall include: 1. A detailed description of the strategy the MS4 will use to guide BMP selection, assessment, and implementation, to ensure that BMPs implemented will be effective at abating pollutant sources.	Resolution No. RB3-2009-0008			Lagas Greek and Tequisquita Slough.					
Tres Pinos Creek City of Watsonville Tres Pinos Creek Furlong (Jones) Creek Santa Ana Creek Santa Ana Creek City of Watsonville Tres Pinos Creek Furlong (Jones) Creek Santa Ana Creek Santa Ana Creek City of Watsonville Tres Pinos Creek Furlong (Jones) Creek Santa Clara and Santa Cruz (hereafter referred to in this TMDL section as "the MS4") shall each develop, submit, and begin implementation of implement a Wasteload Allocation Attainment Program that identifies the actions they will take to attain their wasteload allocations. The Wasteload Allocation Attainment Programs shall include: 1. A detailed description of the strategy the MS4 will use to guide BMP selection, assessment, and implementation, to ensure that BMPs implemented will be effective at abating pollutant sources.		County of Santa Cruz	Pescadero Creek	RequirementsProvisions for Implementing the TMDL					
City of Watsonville Furlong (Jones) Creek Santa Ana Creek Santa Ana Creek Santa Ana Creek Santa Ana Creek City of Watsonville Furlong (Jones) Creek Santa Ana Creek Santa Ana Creek Santa Ana Creek Santa Ana Creek City of Watsonville Furlong (Jones) Creek Santa Clara and Santa Cruz (hereafter referred to in this TMDL section as "the MS4") shall each develop, submit, and begin implementation of implementation of implementation at a Wasteload Allocation Attainment Programs shall include: 1. A detailed description of the strategy the MS4 will use to guide BMP selection, assessment, and implementation, to ensure that BMPs implemented will be effective at abating pollutant sources.				Effective immediately, Within one year of adoption of this Order the Phase II entities identified in this					
City of Watsonville Furlong (Jones) Creek Santa Ana Creek Santa Ana Creek Santa Ana Creek Santa Ana Creek City of Watsonville Furlong (Jones) Creek Santa Ana Creek Santa Ana Creek Santa Ana Creek Santa Ana Creek City of Watsonville Furlong (Jones) Creek Santa Clara and Santa Cruz (hereafter referred to in this TMDL section as "the MS4") shall each develop, submit, and begin implementation of implementation of implementation at a Wasteload Allocation Attainment Programs shall include: 1. A detailed description of the strategy the MS4 will use to guide BMP selection, assessment, and implementation, to ensure that BMPs implemented will be effective at abating pollutant sources.			Tres Pinos Creek	TMDL sectionCities of Hollister, Morgan Hill, Gilroy and Watsonville and the Counties of Monterey.					
Furlong (Jones) Creek Santa Ana Creek Santa Ana Creek Santa Ana Creek Furlong (Jones) Creek Santa Ana Creek		City of Watsonville		Santa Clara and Santa Cruz (hereafter referred to in this TMDL section as "the MS4") shall each					
Creek that identifies the actions they will take to attain their wasteload allocations. The Wasteload Allocation Attainment Programs shall include: Santa Ana Creek Santa Ana Creek 1. A detailed description of the strategy the MS4 will use to guide BMP selection, assessment, and implementation, to ensure that BMPs implemented will be effective at abating pollutant sources.			Furlong (Jones)	develop, submit, and begin implementation of implement a Wasteload Allocation Attainment Program					
Attainment Programs shall include: Santa Ana Creek 1. A detailed description of the strategy the MS4 will use to guide BMP selection, assessment, and implementation, to ensure that BMPs implemented will be effective at abating pollutant sources.									
Santa Ana Creek 1. A detailed description of the strategy the MS4 will use to guide BMP selection, assessment, and implementation, to ensure that BMPs implemented will be effective at abating pollutant sources.			O.OOK						
implementation, to ensure that BMPs implemented will be effective at abating pollutant sources.			Santa Ana Creek						
Desharks Quark implementation, to ensure that BMPs implemented will be effective at abating pollutant sources,									
l Pachecho Ureek I I I I I I I I I I I I I I I I I I			Pachecho Creek						
reducing pollutant discharges, and achieving wasteload allocations according to the TMDL			1 dolloolo oleek						

TMDL			Deliverables/Actions Required/Mesta Load Allegations
	Phase II EntitiesMunicipality	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	<u>Entities</u> wunicipality	Body	
Basin Plan Amendment (BPA)			
Water Board Resolution No.			
		Region 3: C	entral Coast Regional Water Board
TMDL for Fecal Coliform in Pajaro River, San Benito River, Llagas Creek, Tequesquita Slough, San Juan Creek, Carnadero/Uvas Creek, Bird Creek, Pescadero Creek, Tres Pinos Creek, Furlong (Jones) Creek, Santa Ana Creek, Pachecho Creek Fecal Coliform (Ceontinued)			schedule. 2. Identification of sources of the impairment within the MS4's jurisdiction, including specific information on various source locations and their magnitude within the jurisdiction. 3. Prioritization of sources within the MS4's jurisdiction, based on suspected contribution to the impairment, ability to control the source, and other pertinent factors. 4. Identification of BMPs that will address the sources of impairing pollutants and reduce the discharge of impairing pollutants. 5. Prioritization of BMPs, based on suspected effectiveness at abating sources and reducing impairing pollutant discharges, as well as other pertinent factors. 6. Identification of BMPs the MS4 will implement, including a detailed implementation schedule. For each BMP, identify milestones the MS4 will use for tracking implementation, measurable goals the MS4 will use to assess implementation efforts, and measures and targets the MS4 will use to assess effectiveness. MS4s shall include expected BMP implementation for future implementation years, with the understanding that future BMP implementation plans may change as new information is obtained. 6.7. A quantifiable numeric analysis that uses published BMP pollutant removal estimates, performance estimates, modeling, best professional judgment, and/or other available tools to demonstrate that the BMP selected for implementation will likely achieve, based on modeling, published BMP pollutant removal performance estimates, best professional judgment, and/or other available tools, the MS4's wasteload allocation by the schedule identified in the TMDL. Finis analysis will most likely incorporate modeling efforts. The MS4 shall conduct repeat numeric analyses as the BMP implementation plans evolve and information on BMP effectiveness is generated. Once the MS4 has water quality data from its monitoring program, the MS4 shall incorporate water quality data into the numeric analyses to validate BMP implementation plans. 7.8. A detailed description, including a schedule, of a moni

Regional Water Board-Approved Twides with diban runon listed as a source					
TMDL	Phase II	Impaired Water	Deliverables/Actions RequiredAWaste Load Allocations		
Effective Date	EntitiesMunicipality	Body	·		
Basin Plan Amendment (BPA)		,			
Water Board Resolution No.					
Water Board (Cooldion No.					
		D 0- 0	and and Danie Barianal Water Barnel		
		Region 3: C	entral Coast Regional Water Board		
			implement more effective BMPs that it can quantitatively demonstrate will achieve the next interim target.		
			9.10. A detailed description of how the MS4 will assess BMP and program effectiveness. The		
			description shall incorporate the assessment methods described in the CASQA Municipal Storm		
			₩Water Program Effectiveness Assessment Guide.		
			40.11. A detailed description of how the MS4 will modify the program to improve upon BMPs		
			determined to be ineffective during the effectiveness assessment.		
			11.12. A detailed description of information the MS4 will include in annual reports to demonstrate		
			adequate progress towards attainment of wasteload allocations according to the TMDL schedule.		
			12.13. A detailed description of how the MS4 will collaborate with other agencies, stakeholders, and		
			the public to develop and implement the Wasteload Allocation Attainment Program.		
			43.14. Any other items identified by Integrated Report fact sheets, TMDL Project Reports, TMDL		
			Resolutions, or that are currently being implemented by the MS4 to control its contribution to the		
			impairment.		
			,		
			The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The		
			wasteload allocations All allocations shall be achieved by July 12, 2023.		

TMDL Effective Date Basin Plan Amendment (BPA) Water Board Resolution No.	MunicipalityPhase II Entities	Impaired Water Body	Deliverables/Actions Required/Waste Load Allocations
Morro Bay TMDL for Morro Bay Sediment (including Chorro Creek, Los Osos	County of San Luis Obispo	Region 3: Cent Morro Bay Los Osos Creek	Purpose of Provisions The purpose of these provisions is to implement the requirements of the Morro Bay TMDL for sediment.
Creek, and the Morro Bay Estuary) Sediment Effective Date: 12/3/2003 BPA: Chapter 4 Resolution No. R3-2002-0051		Chorro Creek Dairy Creek Pennington Creek San Luisito Creek San Bernardo Creek Warden Creek	TMDL Wasteload and Load Allocations The County of San Luis Obispo is assigned a wasteload allocation of 5,137 tones/year of sediment. This allocation represents a 50% reduction in sediment loading relative to 2003 levels. The aggregated sediment discharge from all storm water outfalls into Morro Bay, or any tributary that has the potential to discharge sediment to Morro Bay, shall not exceed the allocation. Requirements Provisions for Implementing the TMDL Effective immediately, Title County of San Luis Obispo shall implement practices that will assure their allocation is achieved, including identifying and implementing specific road sediment control measures. Within one year of adoption of this Order T, the County of San Luis Obispo (hereafter referred to in this TMDL section as "the MS4") shall develop, submit, and begin implementation of implement a Wasteload Allocation Attainment Program that identifies the actions it will take to attain its wasteload allocation. The Wasteload Allocation Attainment Program shall include: 1. A detailed description of the strategy the MS4 will use to guide BMP selection, assessment, and implementation, to ensure that BMPs implemented will be effective at abating pollutant sources, reducing pollutant discharges, and achieving wasteload allocations according to the TMDL schedule. 2. Identification of sources of the impairment within the MS4's jurisdiction, including specific information on various source locations and their magnitude within the jurisdiction. 3. Prioritization of Sources within the MS4's jurisdiction, based on suspected contribution to the impairment, ability to control the source, and other pertinent factors. 4. Identification of BMPs that will address the sources of impairing pollutants and reduce the discharge of impairing pollutants. 5. Prioritization of BMPs, based on suspected effectiveness at abating sources and reducing impairing pollutant discharges, as well as other pertinent factors. 6. Identification of BMPs the MS4 will use to assess implemen

TMDI			Deliverables (Actions Described Allegations
TMDL	MunicipalityPhase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	<u>Entities</u>	Body	
Basin Plan Amendment (BPA) Water Board Resolution No.			
vvaler board Resolution No.			
		Region 3: Cent	ral Coast Regional Water Board
Morro Bay-TMDL for Morro Bay Sediment (including Chorro Creek, Los Osos Creek, and the Morro Bay Estuary) Sediment (Ceontinued)		Region 3. Cent	 A quantifiable numeric analysis that uses published BMP pollutant removal estimates, performance estimates, modeling, best professional judgment, and/or other available tools to demonstrate that the BMP selected for implementation will likely achieve the MS4's wasteload allocation by the schedule identified in the TMDL. A quantifiable numeric analysis demonstrating the BMPs selected for implementation will likely achieve, based on modeling, published BMP pollutant removal performance estimates, best professional judgment, and/or other available tools, the MS4's wasteload allocation according to the schedule identified in the TMDL. This analysis will most likely incorporate modeling efforts. The MS4 shall conduct repeat numeric analyses as the BMP implementation plans evolve and information on BMP effectiveness is generated. Once the MS4 has water quality data from its monitoring program, the MS4 shall incorporate water quality data into the numeric analyses to validate BMP implementation plans. A detailed description, including a schedule, of a monitoring program the MS4 will implement to assess discharge and receiving water quality. BMP effectiveness, and progress towards any interim targets and ultimate attainment of the MS4s' wasteload allocation. The monitoring program shall be designed to validate BMP implementation efforts and quantitatively demonstrate attainment of interim targets and wasteload allocations. 9.9 If the approved TMDL does not explicitly include interim targets, the MS4 shall establish interim targets (and dates when stormwater discharge conditions will be evaluated) that are equally spaced in time over the TMDL compliance schedule and represent measurable, continually decreasing MS4 discharge concentrations or other appropriate interim measures of pollution reduction and progress towards the wasteload allocation. At least one interim target and date must occur during the first five-year period or by December 31, 2021, whichever is sooner. At least on
			43.14. Any other items identified by Integrated Report fact sheets, TMDL Project Reports,
0040 0004 DWO	amandad by Ordar 201	O VVVVV DIMO	24 February 5, 2012 June 2017

TUDI			d IMDLs with urban runoff listed as a source					
TMDL Effective Date	MunicipalityPhase II Entities	Impaired Water Body	Deliverables/Actions Required/Waste Load Allocations					
Basin Plan Amendment (BPA)		• • •						
Water Board Resolution No.								
	Region 3: Central Coast Regional Water Board							
		Region 3. Cem	irai ooast Negionai Water Board					
			TMDL Resolutions, or that are currently being implemented by the MS4 to control its					
			contribution to the impairment.					
			The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference.					
			The wasteload allocations The allocations shall be achieved by December 3, 2053.					
			Purpose of Provisions					
San Lorenzo River TMDL for	City of Santa Cruz	San Lorenzo River	The purpose of these provisions is to implement the requirements of the San Lorenzo River TMDL					
San Lorenzo River Sediment	-		for sediment.					
(Including Carbonera Creek, Lompico Creek, and Shingle	County of Santa Cruz	Carbonera Creek	TMDL Wasteload and Load Allocations					
Mill Creek)	County of Santa Cruz	Lompico and Creek	The County of Santa Cruz, City of Santa Cruz, and City of Scotts Valley are assigned the following					
<u>Sediment</u>		•	wastelead allocations: sediment discharges from public roads to the San Lorenzo River shall be					
E##: D-1 40/40/0000	City of Scotts Valley	Shingle Mill Creeks	reduced by 27%, sediment discharges from public roads to Lompico Creek shall be reduced by 24%, sediment discharges from public roads to Carbonera Creek shall be reduced by 27%.					
Effective Date: 12/18/2003			sediment discharges from public roads to Shingle Mill Creek shall be reduced by 27%.					
BPA: Chapter 4								
·			Requirements Provisions for Implementing the TMDL					
Resolution No. R3-2002-0063			Effective immediately, The Phase II entities identified in this TMDL section County of Santa Cruz, City of Santa Cruz, and City of Scotts Valley shall implement practices that will assure their					
			allocation is achieved, including identifying and implementing specific road sediment control					
			measures. By June 30, 2013, tThe The Phase II entities identified in this TMDL section County of					
			Santa Cruz, City of Santa Cruz, and City of Scotts Valley (hereafter referred to in this TMDL section as "the MS4") shall each develop, submit, and begin implementation of implement a Wasteload					
			Allocation Attainment Program that identifies the actions they will take to attain their wasteload					
			allocations. The Wasteload Allocation Attainment Programs shall include:					
			A Add to the description of the streets much a MOA will use to maid a DMD selection.					
			 A detailed description of the strategy the MS4 will use to guide BMP selection, assessment, and implementation, to ensure that BMPs implemented will be effective at abating pollutant 					
			sources, reducing pollutant discharges, and achieving wasteload allocations according to the					
			TMDL schedule.					
			 Identification of sources of the impairment within the MS4's jurisdiction, including specific information on various source locations and their magnitude within the jurisdiction. 					
San Lorenzo River TMDL for			3. Prioritization of sources within the MS4's jurisdiction, based on suspected contribution to the					
San Lorenzo River 1 MDL for San Lorenzo River Sediment			impairment, ability to control the source, and other pertinent factors.					
(Including Carbonera Creek,			4. Identification of BMPs that will address the sources of impairing pollutants and reduce the					
Lompico Creek, and Shingle			discharge of impairing pollutants. 5. Prioritization of BMPs, based on suspected effectiveness at abating sources and reducing					
Mill Creek) Sediment			impairing pollutant discharges, as well as other pertinent factors.					
<u>Sediment</u>			6. Identification of BMPs the MS4 will implement, including a detailed implementation schedule.					

TMDI			d IMDLS with urban runott listed as a source					
TMDL	MunicipalityPhase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations					
Effective Date	Entities	Body						
Basin Plan Amendment (BPA)								
Water Board Resolution No.								
		Region 3: Cent	tral Coast Regional Water Board					
(Ceontinued)		Region 3: Cent	For each BMP, identify milestones the MS4 will use for tracking implementation, measurable goals the MS4 will use to assess implementation efforts, and measures and targets the MS4 will use to assess effectiveness. MS4s shall include expected BMP implementation for future implementation years, with the understanding that future BMP implementation plans may change as new information is obtained. 7. A quantifiable numeric analysis that uses published BMP pollutant removal estimates, performance estimates, modeling, best professional judgment, and/or other available tools to demonstrate that the BMP selected for implementation will likely achieve the MS4's wasteload allocation by the schedule identified in the TMDL. A quantifiable numeric analysis demonstrating the BMPs selected for implementation will likely achieve, based on modeling, published BMP pollutant removal performance estimates, best professional judgment, and/or other available tools, the MS4's wasteload allocation according to the schedule identified in the TMDL. This analysis will most likely incorporate modeling efforts. The MS4 shall conduct repeat numeric analyses as the BMP implementation plans evolve and information on BMP effectiveness is generated. Once the MS4 has water quality data from its monitoring program, the MS4 shall incorporate water quality data into the numeric analyses to validate BMP implementation plans. 8. A detailed description, including a schedule, of a monitoring program the MS4 will implement to assess discharge and receiving water quality, BMP effectiveness, and progress towards any interim targets and ultimate attainment of the MS4s' wasteload allocation. The monitoring program shall be designed to validate BMP implementation efforts and quantitatively demonstrate attainment of interim targets and wasteload allocations. 8.9. If the approved TMDL does not explicitly include interim targets, the MS4 shall establish interim target (and dates when stormwater discharge conditions will be evaluated) that are equally spaced					
			quantitatively demonstrate will achieve the next interim target. 9-10. A detailed description of how the MS4 will assess BMP and program effectiveness. The					
			description shall incorporate the assessment methods described in the CASQA Municipal					
TMDI for Con I D'			Storm water Program Effectiveness Assessment Guide.					
TMDL for San Lorenzo River			40.11. A detailed description of how the MS4 will modify the program to improve upon BMPs					
(Including Carbonera Creek,			determined to be ineffective during the effectiveness assessment.					
Lompico Creek, and Shingle			41.12. A detailed description of information the MS4 will include in annual reports to demonstrate					
Mill Creek)			adequate progress towards attainment of wasteload allocations according to the TMDL					
0040 0004 DMO	amandad by Order 201	O MANA DIMO	22 February 5, 2012 June 2017					

Regional water Board-Approved TMDLS with urban runoff listed as a source										
TMDL Effective Date Basin Plan Amendment (BPA) Water Board Resolution No.	MunicipalityPhase II Entities	Impaired Water Body	Deliverables/Actions Required/Waste Load Allocations							
	Region 3: Central Coast Regional Water Board									
San Lorenzo River TMDL for Sediment (Including Carbonera Creek, Lompico			schedule. 12-13. A detailed description of how the MS4 will collaborate with other agencies, stakeholders, and the public to develop and implement the Wasteload Allocation Attainment Program. 13-14. Any other items identified by Integrated Report fact sheets, TMDL Project Reports, TMDL Resolutions, or that are currently being implemented by the MS4 to control its contribution to the impairment. The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The wasteload allocations. The allocations shall be achieved by December 18, 2028.							
Greek, and Shingle Mill Greek) continued										

TMDL MunicipalityPhase II Impaired Water Deliverables/Actions Required/Waste Load Allocations										
Effective Date Basin Plan Amendment (BPA) Water Board Resolution No.	Entities	Body	Deliverables/Actions Required/ waste Load Allocations							
	Region 3: Central Coast Regional Water Board									
Pajaro River TMDL and Implementation Plan for Pajaro River Sediment including Llagas Creek, Rider	City of Gilroy	Tres Pinos San Benito River	Purpose of Provision The purpose of these for sediment. TMDL Wasteload as	provisions is to ir	nplement the requirements of the San Lorenzo River TMDL					
Creek, and San Benito River Sediment	City of Hollister	San Berillo Kiver	The City of Morgan I	lill, City of Gilroy, (City of Hollister, and the City of Watsonville shall not ter bodies in excess of the values shown:					
Effective Date: 11/27/2006	City of Morgan Hill	Llagas Creek	Major Subwatershed	Metric tons per						
BPA: Chapter 4	and the second s	Uvas Creek	Tres Pinos	4						
Resolution No. R3-2005-0132	Santa Cruz County	Ovas Greek	San Benito	100						
11000101101111011110111101111011110111101111	<u>Fairgrounds</u>	Upper Pajaro River	Llagas Uvas	787 139						
	City of Watsonville		Upper Pajaro	161						
		Corralitos Creek (including Rider Creek),	Corralites (including Rider Creek)	284						
		Mouth of Pajaro River	Mouth of Pajaro River	191						
			The allocations repre	esent a 90% reduc	tion in sediment loading to each water body from urban					
			Requirements Provi The Phase II entities Watsonville shall imp	identified in this T	enting the TMDL MDL section Cities of Morgan Hill, Gilroy, Hollister, and resulting in this Order, tailored to focus on reduction of					
sediment discharges to the affected waterbodies, to that will assure ensure their allocated achieved achieved achieved achievement of the wasteload allocations.										
	All wasteload allocations identified in the Fact Sheet of this Order are incorporated by refere The allocations shall be achieved by November 27, 2051.									

Regional Water Board-Approved TMDLs with urban runoff listed as a source				
TMDL Effective Date Basin Plan Amendment (BPA) Water Board Resolution No.	MunicipalityPhase II Entities	Impaired Water Body	Deliverables/Actions Required/Waste Load Allocations	
		Region 3: Cen	tral Coast Regional Water Board	
San Luis Obispo Creek Total Maximum Daily Load TMDL and Implementation Plan for San Luis Obispo Creek Pathogens Effective Date: 7/25/2005 BPA: Chapter 4 Resolution No.R3-2004-0142	Cal Poly State University City of San Luis Obispo County of San Luis Obispo	San Luis Obispo Creek Stenner Creek Brizziolari Creek	Purpose of Provisions The purpose of those provisions is to implement the requirements of the San Luis Obispo Creek TMDL for Pathogens. TMDL Wasteload Allocatione The City of San Luis Obispo, the County of San Luis Obispo, and Cal Poly State University-San Luis Obispo, are assigned a concentration based wasteload allocation for focal coliform equal to 200 MPN/100mL, measured as a log mean of five samples taken in a 30-day period from impaired water body receiving waters, nor shall more than 10% of the total samples during any 30-day period exceed 400 MPN per 100mL in receiving waters; storm water discharge cannot cause or contribute to exceedance of the allocations. The City of San Luis Obispo is assigned these allocations in the following water bodies: San Luis Obispo Creek, Stenner Creek. The County of San Luis Obispo is assigned these allocations in the following water bodies: San Luis Obispo Creek. Cal Poly State University San Luis Obispo is assigned these allocations in the following water bodies: Stenner Creek, Brizziola Requirements Provisions for Implementing the TMDL The Phase II entities identified in this TMDL section City of San Luis Obispo, County of San Luis Obispo, and Cal Poly State University are required to implement best management practices specifically targeting fecal coliform loading. Required actions include development and implementation of: public education regarding fecal coliform sources and associated health risk, enforceable means of addressing pet waste and wild animals that are attracted to storm water infrastructure, and elimination of illicit discharges. Effective immediately, Within one year of adoption of this Order, the Phase II entities identified in this TMDL section City of San Luis Obispo, County of San Luis Obispo, and Cal Poly State University (Inereafter referred to in this TMDL section as 'the MS4') shall each develop, submit, and begin implementation of figure plement a Wasteload Allocation Attainment Program shall include: 1. A detailed description of the s	
			Requirements Provisions for Implementing the TMDL The Phase II entities identified in this TMDL section City of San Luis Obispo, County of San Luis Obispo, and Cal Poly State University are required to implement best management practices specifically targeting fecal coliform loading. Required actions include development and implementation of: public education regarding fecal coliform sources and associated health risk, enforceable means of addressing pet waste and wild animals that are attracted to storm water infrastructure, and elimination of illicit discharges. Effective immediately. Within one year of adoption of this Order, the Phase II entities identified in TMDL section City of San Luis Obispo, County of San Luis Obispo, and Cal Poly State University (hereafter referred to in this TMDL section as "the MS4") shall each develop, submit, and begin implementation of implement a Wasteload Allocation Attainment Program that identifies the actio they will take to attain their wasteload allocations. The Wasteload Allocation Attainment Program shall include: 1. A detailed description of the strategy the MS4 will use to guide BMP selection, assessment and implementation, to ensure that BMPs implemented will be effective at abating pollutary.	

			I IMDLs with urban runoff listed as a source
TMDL	MunicipalityPhase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	<u>Entities</u>	Body	
Basin Plan Amendment (BPA)			
Water Board Resolution No.			
		Pagion 3: Canti	ral Coast Regional Water Board
		Region 3. Centi	lai Coast Negional Water Board
			Identification of sources of the impairment within the MS4's jurisdiction, including specific
			information on various source locations and their magnitude within the jurisdiction.
			3. Prioritization of sources within the MS4's jurisdiction, based on suspected contribution to the
			impairment, ability to control the source, and other pertinent factors.
			Identification of BMPs that will address the sources of impairing pollutants and reduce the
			discharge of impairing pollutants. 5. Prioritization of BMPs, based on suspected effectiveness at abating sources and reducing
			impairing pollutant discharges, as well as other pertinent factors.
			6. Identification of BMPs the MS4 will implement, including a detailed implementation schedule.
			For each BMP, identify milestones the MS4 will use for tracking implementation, measurable
			goals the MS4 will use to assess implementation efforts, and measures and targets the MS4
			will use to assess effectiveness. MS4s shall include expected BMP implementation for future
			implementation years, with the understanding that future BMP implementation plans may
			change as new information is obtained.
			7. A quantifiable numeric analysis that uses published BMP pollutant removal estimates,
			performance estimates, modeling, best professional judgment, and/or other available tools to
			demonstrate that the BMP selected for implementation will likely achieve the MS4's wasteload
			allocation by the schedule identified in the TMDL.A quantifiable numeric analysis demonstrating the BMPs selected for implementation will likely achieve, based on modeling,
			published BMP pollutant removal performance estimates, best professional judgment, and/or
San Luis Obispo Creek Total			other available tools, the MS4's wasteload allocation according to the schedule identified in
Maximum Daily LoadTMDL			the TMDL. This analysis will most likely incorporate modeling efforts. The MS4 shall conduct
and Implementation Plan for			repeat numeric analyses as the BMP implementation plans evolve and information on BMP
San Luis Obispo Creek			effectiveness is generated. Once the MS4 has water quality data from its monitoring
Pathogens			program, the MS4 shall incorporate water quality data into the numeric analyses to validate
(Ceontinued)			BMP implementation plans.
			8. A detailed description, including a schedule, of a monitoring program the MS4 will implement
			to assess discharge and receiving water quality, BMP effectiveness, and progress towards
			any interim targets and ultimate attainment of the MS4s' wasteload allocation. The monitoring
			program shall be designed to validate BMP implementation efforts and quantitatively
			demonstrate attainment of interim targets and wasteload allocations. 8-9. If the approved TMDL does not explicitly include interim targets, the MS4 shall establish
			interim targets (and dates when stormwater discharge conditions will be evaluated) that are
			equally spaced in time over the TMDL compliance schedule and represent measurable,
			continually decreasing MS4 discharge concentrations or other appropriate interim measures
			of pollution reduction and progress towards the wasteload allocation. Where TMDL
			compliance schedules have passed, but Wasteload Allocations have not been achieved by
			[Hard Date, date of adoption], the MS4 shall consult with the Regional Water Board to
			establish dates to meet new interim targets and to achieve wasteload allocations. At least one
			interim target and date must occur during the five-year term of this Order. The MS4 shall

TMDL	MunicipalityPhase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	Entities	Body	Deliverables/Actions nequired/Waste Edat Andations
Basin Plan Amendment (BPA)	Enuties	bouy	
Water Board Resolution No.			
		Pagion 2: Con	tral Coast Regional Water Board
		Region 3. Cen	ili al Goast Neglotiai vvater Board
			achieve its interim targets by the date it specifies in the Wasteload Allocation Attainment
			Program. If the MS4 does not achieve its interim target by the date specified, the MS4 shall
			develop and implement more effective BMPs that it can quantitatively demonstrate will
			achieve the next interim target.
			9.10. A detailed description of how the MS4 will assess BMP and program effectiveness. The
			description shall incorporate the assessment methods described in the CASQA Municipal
			Storm ₩Water Program Effectiveness Assessment Guide.
			40.11. A detailed description of how the MS4 will modify the program to improve upon BMPs
			determined to be ineffective during the effectiveness assessment.
			41.12. A detailed description of information the MS4 will include in annual reports to demonstrate
			adequate progress towards attainment of wasteload allocations according to the TMDL
			Schedule.
			12.13. A detailed description of how the MS4 will collaborate with other agencies, stakeholders,
			and the public to develop and implement the Wasteload Allocation Attainment Program.
			43.14. Any other items identified by Integrated Report fact sheets, TMDL Project Reports, TMDL
			Resolutions, or that are currently being implemented by the MS4 to control its contribution to
			the impairment.
			The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference.
			The wasteload allocations were required to be achieved by July 25, 2015, and are effective
			immediately. All allocations shall be achieved no later than July 25, 2015.
			Purpose of Provisions
San Luis Obispo Creek TMDL	Cal Poly State	San Luis Obispo	The purpose of these provisions is to implement the requirements of the San Luis Obispo Creek
and Implementation Plan for	University	Creek	TMDL for Nitrate.
San Luis Obispo Creek	O.I Oronty	3.00K	
Nitrate-Nitrogen			TMDL Wasteload Allocations
			Urban storm water from the City of San Luis Obispo, County of San Luis Obispo, and Cal Poly State
TMDL and Implementation			University shall not cause an increase in receiving water nitrate concentration greater than the
Plan for San Luis Obispo	City of San Luis		increase in nitrate concentration resulting from their discharge in 2006 (when the TMDL became
Creek	Obispo		effective). In 2006, the nitrate concentration of storm water discharge was 0.3 mg/L-N.
Nitrate-Nitrogen			
(Continued)			The City of San Luis Obispo, County of San Luis Obispo, and Cal Poly State University were
Effective Date: 8/04/2006	County of San Luis		achieving their allocations at the time the TMDL became effective; these municipalities shall
	Obispo		implement measures to assure continued compliance with their allocations.
BPA: Chapter 4			Decuirements Decuisions for Invalous entire the TARD!
B Li N Bo coop site			Requirements Provisions for Implementing the TMDL
Resolution No. R3-2005-0106			Effective immediately, The Phase II entities identified in this TMDL section City of San Luis Obispo, County of San Luis Obispo, and Cal Poly State University shall implement best management
			practices that specifically address the reduction or elimination of nutrient loading.

TMDI			Deliverables (Actions Dervice (Mosts Load Allegations
TMDL	MunicipalityPhase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	<u>Entities</u>	Body	
Basin Plan Amendment (BPA)			
Water Board Resolution No.			
		Region 3: Cent	tral Coast Regional Water Board
			The Phase II entities identified in this TMDL section City of San Luis Obispo, County of San Luis
			Obispo, and Cal Poly State University shall submit reports required by thiseir storm water
			permitsOrder and in those reports outline best management practices implemented to assure
			ongoing compliance with their allocation.
			The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference.
			The TMDL specifies that the target date to achieve the TMDL is during or before year 2012. The
			allocations are therefore effective immediately.
			Purpose of Provisions
	County of Santa Cruz	Corralitos Creek	The purpose of these provisions is to implement the requirements of the TMDL for Fecal Coliform in
TMDL for Fecal Coliform in			Corralitos/Salsipuedes Creeks
Corralitos and Salsipuedes			
Creeks	Santa Cruz County		TMDL Wasteload Allocations
Fecal Coliform	Fairgrounds	Salsipuedes Creek	The County of Santa Cruz and the City of Watsonville are assigned the following concentration
	<u>- ag aa.</u>	Calcipacaco Cicon	based wasteload allocation: Fecal coliform concentration, based on a minimum of not less than five
Effective Date: OAL approval			samples for any 30-day period, shall not exceed a log mean of 200 MPN per 100 mL, nor shall more
anticipated early 20119/8/2011	City of Watsonville		than 10 percent of samples collected during any 30-day period exceed 400 MPN per 100 mL.
	Only of Watsonville		and the process of th
BPA: Chapter 4			These wasteload allocations are receiving water allocations; storm water discharge cannot cause or
· ·			contribute to exceedance of the allocations as measured in receiving water.
Resolution No. R3-2009-0009			
			The County of Santa Cruz and the City of Watsonville are assigned allocations in the following water
			bodies: Corralitos Creek and Salsipuedes Creek.
			Requirements Provisions for Implementing the TMDL
			Effective immediately, Within one year of adoption of this order, the County of Santa Cruz and the
			City of Watsonville (hereafter referred to in this TMDL section as MS4) shall each develop, submit,
			and begin implementation of implement a Wasteload Allocation Attainment Program that identifies
			the actions they will take to attain their wasteload allocations. By [Hard Date: one year from
			adoption], the Santa Cruz County Fairgrounds (hereafter referred to in this TMDL section as "the
			MS4") shall develop, submit, and begin implementation of a Wasteload Allocation Attainment
			Program that identifies the actions they will take to attain their waste load allocations. The
			Wasteload Allocation Attainment Programs shall include:
			Traditional American American Programs of an information
			1. A detailed description of the strategy the MS4 will use to guide BMP selection, assessment,
			and implementation, to ensure that BMPs implemented will be effective at abating pollutant
			sources, reducing pollutant discharges, and achieving wasteload allocations according to the
			TMDL schedule.
			2. Identification of sources of the impairment within the MS4's jurisdiction, including specific
			information on various source locations and their magnitude within the jurisdiction.
0040 0004 DWO			The same of control of various source locations and their magnitude within the jurisdiction.

Phase II Small MS4 General Permit Order-Ne. 2013-0001-DWQ – DRAFT Attachment G

TMDL	MunicipalityPhase II		Deliverables/Actions Required A Waste Load Allocations
		Impaired Water	Deliverables/Actions Required /Waste Load Allocations
Effective Date	<u>Entities</u>	Body	
Basin Plan Amendment (BPA)			
Water Dodru Resolution No.	1		
		Region 3: Centi	ral Coast Regional Water Board
TMDL for Fecal Coliform in Corralitos and Salsipuedes Creeks Fecal Coliform (Ceontinued)		Region 3: Centr	 Prioritization of sources within the MS4's jurisdiction, based on suspected contribution to the impairment, ability to control the source, and other pertinent factors. Identification of BMPs that will address the sources of impairing pollutants and reduce the discharge of impairing pollutants. Prioritization of BMPs, based on suspected effectiveness at abating sources and reducing impairing pollutant discharges, as well as other pertinent factors. Identification of BMPs the MS4 will implement, including a detailed implementation schedule. For each BMP, identify milestones the MS4 will use for tracking implementation, measurable goals the MS4 will use to assess implementation efforts, and measures and targets the MS4 will use to assess effectiveness. MS4s shall include expected BMP implementation for future implementation years, with the understanding that future BMP implementation plans may change as new information is obtained. A quantifiable numeric analysis that uses published BMP pollutant removal estimates, performance estimates, modeling, best professional judgment, and/or other available tools to demonstrate that the BMP selected for implementation will likely achieve the MS4's wasteload allocation by the schedule identified in the TMDL. A quantifiable numeric analysis demonstrating the BMPs selected for implementation will likely achieve, based on modeling, published BMP pollutant removal performance estimates, best professional judgment, and/or other available tools, the MS4's wasteload allocation according to the schedule identified in the TMDL. This analysis will most likely incorporate modeling efforts. The MS4 shall conduct repeat numeric analyses as the BMP implementation plans evolve and information on BMP effectiveness is generated. Once the MS4 has water quality data from its monitoring program, the MS4 shall incorporate water quality data into the numeric analyses to validate BMP implementation plans. A detailed desc
			equally spaced in time over the TMDL compliance schedule and represent measurable, continually decreasing MS4 discharge concentrations or other appropriate interim measures of pollution reduction and progress towards the wasteload allocation. At least one interim
			of pollution reduction and progress towards the wasteload allocation. At least one interim target and date must occur during the first five-year period or by December 31, 2021, whichever is sooner. At least one interim target and date must occur during the five-year term of this Order. The MS4 shall achieve its interim targets by the date it specifies in the
			Wasteload Allocation Attainment Program. If the MS4 does not achieve its interim target by the date specified, the MS4 shall develop and implement more effective BMPs that it can quantitatively demonstrate will achieve the next interim target.
0040 0004 PWO		DAYAYA BIMO	51 5 00401 0047

TMDI		<u> </u>	Deliverables (Actions Deriving Measure Lead Allegations
TMDL	MunicipalityPhase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	Entities	Body	
Basin Plan Amendment (BPA)			
Water Board Resolution No.			
		D! 0 - 0 (and Onne (Barrian at Water Barria
		Region 3: Cent	ral Coast Regional Water Board
			 9.10. A detailed description of how the MS4 will assess BMP and program effectiveness. The description shall incorporate the assessment methods described in the CASQA Municipal Storm wW ater Program Effectiveness Assessment Guide. 10.11. A detailed description of how the MS4 will modify the program to improve upon BMPs determined to be ineffective during the effectiveness assessment. 11.12. A detailed description of information the MS4 will include in annual reports to demonstrate adequate progress towards attainment of wasteload allocations according to the TMDL schedule. 12.13. A detailed description of how the MS4 will collaborate with other agencies, stakeholders, and the public to develop and implement the Wasteload Allocation Attainment Program. 13.14. Any other items identified by Integrated Report fact sheets, TMDL Project Reports, TMDL Resolutions, or that are currently being implemented by the MS4 to control its contribution to
			the impairment. The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The wasteload allocations All allocations shall be achieved no later than September 8, 2024.
			Purpose of Provisions
TMDL for Feeal Coliform in the Lower Salinas River	County of Monterey	Lower Salinas River	The purpose of these provisions is to implement the requirements of the TMDL for fecal coliform in the Lower Salinas River Watershed.
Watershed		01101: 5:	TMDL Wasteload Allocations
<u>Fecal Coliform</u>		Old Salinas River	The County of Monterey is assigned the following concentration based wasteload allocation for fecal
Effective Date: OAL connected		Estuary	coliform:
Effective Date: OAL approval anticipated in 201112/20/2011			- Comonn.
BPA: Chapter 4	Salinas Reclamation	Tembladero Slough	Fecal coliform concentration, based on a minimum of five samples for any 30-day period, shall not exceed a log mean of 200 MPN per 100mL, nor shall more than ten percent of total samples collected during any 30-day period exceed 400 MPN per 100mL.
Resolution No. R3-2010-0017		These wasteload allocations are receiving water allocations; storm water discharge cannot cause or	
			contribute to exceedance of the allocation as measured in receiving water.
		Alisal Creek	Requirements Provisions for Implementing the TMDL Effectively immediately, Within one year of adoption of this Order, the County of Monterey (hereafter
		Gabilan Creek	referred to in this TMDL section as "the MS4") shall develop, submit, and begin implementation of implement a Wasteload Allocation Attainment Program that identifies the actions it will take to attain its wasteload allocation. The Wasteload Allocation Attainment Program shall include:
		Salinas River Lagoon (North)	A detailed description of the strategy the MS4 will use to guide BMP selection, assessment, and implementation, to ensure that BMPs implemented will be effective at abating pollutant

			d IMDLs with urban runoff listed as a source
TMDL	MunicipalityPhase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	<u>Entities</u>	Body	
Basin Plan Amendment (BPA)			
Water Board Resolution No.			
		Region 3: Cent	ral Coast Regional Water Board
		•	-
			sources, reducing pollutant discharges, and achieving wasteload allocations according to the
			TMDL schedule.
		Santa Rita Creek	Identification of sources of the impairment within the MS4's jurisdiction, including specific
		Carra raid Crock	information on various source locations and their magnitude within the jurisdiction.
		Quail Creek	3. Prioritization of sources within the MS4's jurisdiction, based on suspected contribution to the
		Quali Orook	impairment, ability to control the source, and other pertinent factors.
		Towne Creek	3.4. Identification of BMPs that will address the sources of impairing pollutants and reduce the
		Towne Oreck	discharge of impairing pollutants.
			4.5. Prioritization of BMPs, based on suspected effectiveness at abating sources and reducing
			impairing pollutant discharges, as well as other pertinent factors.
			5-6. Identification of BMPs the MS4 will implement, including a detailed implementation schedule.
			For each BMP, identify milestones the MS4 will use for tracking implementation, measurable
			goals the MS4 will use to assess implementation efforts, and measures and targets the MS4
			will use to assess effectiveness. MS4s shall include expected BMP implementation for future
			implementation years, with the understanding that future BMP implementation plans may
			change as new information is obtained.
			6-7. A quantifiable numeric analysis that uses published BMP pollutant removal estimates,
			performance estimates, modeling, best professional judgment, and/or other available tools to
			demonstrate that the BMP selected for implementation will likely achieve the MS4's wasteload
			allocation by the schedule identified in the TMDL. A quantifiable numeric analysis
			demonstrating the BMPs selected for implementation will likely achieve, based on modeling,
			published BMP pollutant removal performance estimates, best professional judgment, and/or
			other available tools, the MS4's wasteload allocation according to the schedule identified in
TMDL for Fecal Coliform in the			the TMDL. This analysis will most likely incorporate modeling efforts. The MS4 shall conduct
Lower Salinas River			repeat numeric analyses as the BMP implementation plans evolve and information on BMP
Watershed			effectiveness is generated. Once the MS4 has water quality data from its monitoring
Fecal Coliform			program, the MS4 shall incorporate water quality data into the numeric analyses to validate
(Ceontinued)			BMP implementation plans.
			8. A detailed description, including a schedule, of a monitoring program the MS4 will implement
			to assess discharge and receiving water quality, BMP effectiveness, and progress towards
			any interim targets and ultimate attainment of the MS4s' wasteload allocation. The monitoring
			program shall be designed to validate BMP implementation efforts and quantitatively
			demonstrate attainment of interim targets and wasteload allocations.
			7-9. If the approved TMDL does not explicitly include interim targets, the MS4 shall establish
			interim targets (and dates when stormwater discharge conditions will be evaluated) that are
			equally spaced in time over the TMDL compliance schedule and represent measurable,
			continually decreasing MS4 discharge concentrations or other appropriate interim measures
			of pollution reduction and progress towards the wasteload allocation. At least one interim
			target and date must occur during the first five-year period or by December 31, 2021,
			whichever is sooner. At least one interim target and date must occur during the five-year term

TMDL Effective Date Basin Plan Amendment (BPA) Water Board Resolution No.	MunicipalityPhase II Entities	Impaired Water Body	Deliverables/Actions Required/Waste Load Allocations
		Region 3: Cen	tral Coast Regional Water Board
			 of this Order. The MS4 shall achieve its interim targets by the date it specifies in the Wasteload Allocation Attainment Program. If the MS4 does not achieve its interim target by the date specified, the MS4 shall develop and implement more effective BMPs that it can quantitatively demonstrate will achieve the next interim target. 8-10. A detailed description of how the MS4 will assess BMP and program effectiveness. The description shall incorporate the assessment methods described in the CASQA Municipal Storm www.ater Program Effectiveness Assessment Guide. 9-11. A detailed description of how the MS4 will modify the program to improve upon BMPs determined to be ineffective during the effectiveness assessment. 10-12. A detailed description of information the MS4 will include in annual reports to demonstrate adequate progress towards attainment of wasteload allocations according to the TMDL schedule. 11-13. A detailed description of how the MS4 will collaborate with other agencies, stakeholders, and the public to develop and implement the Wasteload Allocation Attainment Program. 12-14. Any other items identified by Integrated Report fact sheets, TMDL Project Reports, TMDL Resolutions, or that are currently being implemented by the MS4 to control its contribution to the impairment. The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The wasteload allocations All allocations shall be achieved no later than December 20, 2024.
TMDL for the Pathogens in San in-San Lorenzo River Estuary, San Lorenzo River, Branciforte Creek, Camp Evers Creek, Carbonera Creek, and Lompico Creek Pathogens Effective Date: OAL approval pending; anticipated March 20116/8/2011 BPA: Chapter 4 Resolution No. R3-2009-0023	City of Santa Cruz County of Santa Cruz City of Scotts Valley	San Lorenzo River Estuary San Lorenzo River Branciforte Creek Camp Evers Creek Carbonera Creek Lompico Creek	Purpose of Provisions The purpose of these provisions is to implement the requirements of the TMDL for Pathogens in San Lorenzo River Estuary, San Lorenzo River, Branciforte Creek, Camp Evers Creek, Carbonera Creek, and Lompico Creek. TMDL Wasteload Allocations The City of Santa Cruz, County of Santa Cruz and the City of Scotts Valley are assigned the following concentration based wasteload allocation for focal coliform: based on a minimum of not less than five samples for any 30-day period, fecal coliform shall not exceed a log mean of 200 MPN per 100 mL, nor shall more than 10 percent of samples collected during any 30-day period exceed 400 MPN per 100 mL. These wasteload allocations are receiving water allocations; storm water discharge cannot cause or contribute to exceedance of the allocations as measured in receiving water. The City of Santa Cruz is assigned allocations in San Lorenzo River Estuary, San Lorenzo River, Branciforto Creek, and Carbonera Creek.
	amonded by Order 201		The County of Santa Cruz is assigned allocations in San Lorenzo River, Branciforte Creek, Lompico

TMDL	MunicipalityPhase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations		
Effective Date	Entities	Body	Deliverables/Actions Required /Waste Load Allocations		
Basin Plan Amendment (BPA)	Enules	Бойу			
Water Board Resolution No.					
Water Board Resolution No.					
	Region 3: Central Coast Regional Water Board				
			Creek, and Carbonera Creek,		
			The City of Scotts Valley is assigned allocations in Camp Evers Creek and Carbonera Creek.		
			Provision Requirements for Implementing the TMDL		
			Effective immediately, By June 30, 2013, the Phase II entities identified in this TMDL section County		
			ef Santa Cruz and the Cities of Santa Cruz and Scotts Valley (hereafter referred to in this TMDL		
			section as "the MS4") shall each develop, submit, and begin implementation of implement a		
			Wasteload Allocation Attainment Program that identifies the actions they will take to attain their		
			wasteload allocations. The Wasteload Allocation Attainment Programs shall include:		
			4. A detailed description of the strategy the MC4 will use to guide DMD selection.		
			A detailed description of the strategy the MS4 will use to guide BMP selection, assessment, and implementation, to ensure that BMPs implemented will be effective at abating pollutant		
			sources, reducing pollutant discharges, and achieving wasteload allocations according to the		
TMDL for the Pathogens in			TMDL schedule.		
San in San Lorenzo River			2. Identification of sources of the impairment within the MS4's jurisdiction, including specific		
Estuary, San Lorenzo River,			information on various source locations and their magnitude within the jurisdiction.		
Branciforte Creek, Camp			3. Prioritization of sources within the MS4's jurisdiction, based on suspected contribution to the		
Evers Creek, Carbonera			impairment, ability to control the source, and other pertinent factors.		
Creek, and Lompico Creek			4. Identification of BMPs that will address the sources of impairing pollutants and reduce the		
<u>Pathogens</u>			discharge of impairing pollutants.		
(Ceontinued)			5. Prioritization of BMPs, based on suspected effectiveness at abating sources and reducing		
			impairing pollutant discharges, as well as other pertinent factors. 6. Identification of BMPs the MS4 will implement, including a detailed implementation schedule.		
			For each BMP, identify milestones the MS4 will use for tracking implementation, measurable		
			goals the MS4 will use to assess implementation efforts, and measures and targets the MS4		
			will use to assess effectiveness. MS4s shall include expected BMP implementation for future		
			implementation years, with the understanding that future BMP implementation plans may		
			change as new information is obtained.		
			7. A quantifiable numeric analysis that uses published BMP pollutant removal estimates,		
			performance estimates, modeling, best professional judgment, and/or other available tools to		
			demonstrate that the BMP selected for implementation will likely achieve the MS4's wasteload		
			allocation by the schedule identified in the TMDL. A quantifiable numeric analysis		
			demonstrating the BMPs selected for implementation will likely achieve, based on modeling,		
			published BMP pollutant removal performance estimates, best professional judgment, and/or other available tools, the MS4's wasteload allocation according to the schedule identified in the		
			This analysis will most likely incorporate modeling efforts. The MS4 shall conduct		
			repeat numeric analyses as the BMP implementation plans evolve and information on BMP		
			effectiveness is generated. Once the MS4 has water quality data from its monitoring program,		
			the MS4 shall incorporate water quality data into the numeric analyses to validate BMP		
2010 0001 PMO		0 V//V// DIMO	104 Shall incorporate water quality data into the numeric analyses to validate bivil		

MunicipalityPhase II Entities	Impaired Water Body	Deliverables/Actions Required/Waste Load Allocations
<u>.</u>	Region 3: Cen	ntral Coast Regional Water Board
		implementation plans. 8. A detailed description, including a schedule, of a monitoring program the MS4 will implement to assess discharge and receiving water quality, BMP effectiveness, and progress towards any interim targets and ultimate attainment of the MS4s' wasteload allocation. The monitoring program shall be designed to validate BMP implementation efforts and quantitatively demonstrate attainment of interim targets and wasteload allocations. 8.9. If the approved TMDL does not explicitly include interim targets, the MS4 shall establish interim targets (and dates when stormwater discharge conditions will be evaluated) that are equally spaced in time over the TMDL compliance schedule and represent measurable, continually decreasing MS4 discharge concentrations or other appropriate interim massures of pollution reduction and progress towards the wasteload allocation. At least one interim target and date must occur during the first five-year period or by December 31, 2021, whichever is sooner. At least one interim target and date must occur during the five year term of this Order. The MS4 shall achieve its interim targets by the date it specifies in the Wasteload Illocation Attainment Program. If the MS4 does not achieve its interim target by the date specified, the MS4 shall develop and implement more effective BMPs that it can quantitatively demonstrate will achieve the next interim target. 9.10. A detailed description of how the MS4 will assess BMP and program effectiveness. The description shall incorporate the assessment methods described in the CASQA Municipal Storm wWater Program Effectiveness Assessment Guide. 10.11. A detailed description of information the MS4 will modify the program to improve upon BMPs determined to be ineffective during the effectiveness assessment. 11.12. A detailed description of how the MS4 will collaborate with other agencies, stakeholders, and the public to develop and implement the Wasteload Allocation Attainment Program. 13.14. Any other items identified by Integrat
City of Capitola	Soquel Lagoon	The purpose of these provisions is to implement the requirements of the TMDL for Pathogens in Soquel Lagoon, Soquel Creek, and Noble Gulch.
County of Santa Cruz	Soquel Creek	TMDL Wasteload Allocations The City of Capitola and the County of Santa Cruz are assigned the following concentration based wasteload allocation for fecal coliform: based on a minimum of not less than five samples for any 30-
	<u>Éntities</u> City of Capitola	Region 3: Cer City of Capitola Soquel Lagoon Soquel Creek

TMDL	MunicipalityPhase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
			Deliverables/Actions Required/ waste Load Allocations
Effective Date	<u>Entities</u>	Body	
Basin Plan Amendment (BPA)			
Water Board Resolution No.			
		Region 3: Cen	ntral Coast Regional Water Board
		Noble Gulch	day period, fecal coliform shall not exceed a log mean of 200 MPN per 100 mL, nor shall more than
BPA: Chapter 4			10 percent of samples collected during any 30-day period exceed 400 MPN per 100 mL.
Resolution No. R3-2009-0024			These wasteload allocations are receiving water allocations; storm water discharge cannot cause or contribute to exceedance of the allocations as measured in receiving water.
			The City of Capitola is assigned allocations in Soquel Lagoon.
			The County of Santa Cruz is assigned allocations in Soquel Creek and Noble Gulch.
			ProvisionRequirements for Implementing the TMDL
			Effective immediately, By June 30, 2013, the Phase II entities identified in this TMDL section City of
			Capitola and the County of Santa Cruz (hereafter referred to in this TMDL section as "the MS4")
			shall each develop, submit, and begin implementation of implement a Wasteload Allocation
			Attainment Program that identifies the actions they will take to attain their wasteload allocations.
			The Wasteload Allocation Attainment Programs shall include:
			1. A detailed description of the strategy the MS4 will use to guide BMP selection, assessment,
			and implementation, to ensure that BMPs implemented will be effective at abating pollutant
			sources, reducing pollutant discharges, and achieving wasteload allocations according to the TMDL Schedule.
			2. Identification of sources of the impairment within the MS4's jurisdiction, including specific
			information on various source locations and their magnitude within the jurisdiction.
			3. Prioritization of sources within the MS4's jurisdiction, based on suspected contribution to the
			impairment, ability to control the source, and other pertinent factors.
			4. Identification of BMPs that will address the sources of impairing pollutants and reduce the
			discharge of impairing pollutants.
			5. Prioritization of BMPs, based on suspected effectiveness at abating sources and reducing
			impairing pollutant discharges, as well as other pertinent factors.
TMDL for Pathogens in Soquel			6. Identification of BMPs the MS4 will implement, including a detailed implementation schedule.
Lagoon, Soquel Creek, and			For each BMP, identify milestones the MS4 will use for tracking implementation, measurable
Noble Gulch			goals the MS4 will use to assess implementation efforts, and measures and targets the MS4
Pathogens			will use to assess effectiveness. MS4s shall include expected BMP implementation for future
(Ceontinued)			implementation years, with the understanding that future BMP implementation plans may
(change as new information is obtained.
			7. A quantifiable numeric analysis that uses published BMP pollutant removal estimates,
			performance estimates, modeling, best professional judgment, and/or other available tools to
			demonstrate that the BMP selected for implementation will likely achieve the MS4's wasteload
			allocation by the schedule identified in the TMDL. A quantifiable numeric analysis
			demonstrating the BMPs selected for implementation will likely achieve, based on modeling,

TMDL	MunicipalityPhase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	Entities	Body	Deliverables/Actions nequiled/Traste Load Allocations
	Entities	Войу	
Basin Plan Amendment (BPA)			
Water Board Resolution No.			
		D	trad Const Barrianal Water Board
		Region 3: Cen	tral Coast Regional Water Board
			published BMP pollutant removal performance estimates, best professional judgment, and/or
			other available tools, the MS4's wasteload allocation according to the schedule identified in
			the TMDL. This analysis will most likely incorporate modeling efforts. The MS4 shall conduct
			repeat numeric analyses as the BMP implementation plans evolve and information on BMP
			effectiveness is generated. Once the MS4 has water quality data from its monitoring
			program, the MS4 shall incorporate water quality data into the numeric analyses to validate
			BMP implementation plans.
			7.8. A detailed description, including a schedule, of a monitoring program the MS4 will implement
			to assess discharge and receiving water quality, BMP effectiveness, and progress towards
			any interim targets and ultimate attainment of the MS4s' wasteload allocation. The monitoring
			program shall be designed to validate BMP implementation efforts and quantitatively
			demonstrate attainment of interim targets and wasteload allocations.
			8-9. If the approved TMDL does not explicitly include interim targets, the MS4 shall establish
			interim targets (and dates when stormwater discharge conditions will be evaluated) that are
			equally spaced in time over the TMDL compliance schedule and represent measurable,
			continually decreasing MS4 discharge concentrations or other appropriate interim measures
			of pollution reduction and progress towards the wasteload allocation. At least one interim
			target and date must occur during the first five-year period or by December 31, 2021,
			whichever is sooner. At least one interim target and date must occur during the five-year term
			of this Order. The MS4 shall achieve its interim targets by the date it specifies in the
			Wasteload Allocation Attainment Program. If the MS4 does not achieve its interim target by
			the date specified, the MS4 shall develop and implement more effective BMPs that it can
			quantitatively demonstrate will achieve the next interim target.
			9-10. A detailed description of how the MS4 will assess BMP and program effectiveness. The
			description shall incorporate the assessment methods described in the CASQA Municipal
			Storm wWater Program Effectiveness Assessment Guide.
			40.11. A detailed description of how the MS4 will modify the program to improve upon BMPs
			determined to be ineffective during the effectiveness assessment.
			41.12. A detailed description of information the MS4 will include in annual reports to demonstrate
			adequate progress towards attainment of wasteload allocations according to the TMDL
			schedule.
			42.13. A detailed description of how the MS4 will collaborate with other agencies, stakeholders,
			and the public to develop and implement the Wasteload Allocation Attainment Program.
			43.14. Any other items identified by Integrated Report fact sheets, TMDL Project Reports, TMDL
			Resolutions, or that are currently being implemented by the MS4 to control its contribution to
			the impairment.
			The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference.
			The wasteload allocations All allocations shall be achieved by September 15, 2023.
			The materials and an analysis of the materials of the mat

			u TWDES With urban runon listed as a source
TMDL	MunicipalityPhase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	Entities	Body	
Basin Plan Amendment (BPA)			
Water Board Resolution No.			
		Region 3: Cent	tral Coast Regional Water Board
		_	•
			Purpose of Provisions
TMDL for Pathogens in	County of Santa Cruz	Aptos Creek	The purpose of these provisions is to implement the requirements of the TMDL for Pathogens in
Aptos Creek, Valencia Creek,		7 .p.100 0.00.k	Aptos Creek, Valencia Creek, and Trout Gulch.
and Trout Gulch			
Pathogens		Valencia Creek	TMDL Wasteload Allocations
<u> </u>		valeriola Grook	The County of Santa Cruz is assigned the following concentration based wasteload allocation for
Effective Date: 10/29/2010			fecal coliform: based on a minimum of not less than five samples for any 30-day period, fecal
E110011V0 Dato: 10/20/2010		Trout Gulch	coliform shall not exceed a log mean of 200 MPN per 100 mL, nor shall more than 10 percent of
BPA: Chapter 4		Trodi Galon	samples collected during any 30-day period exceed 400 MPN per 100 mL.
Bi / i. Oliapioi 4			The first state and design of the state and
Resolution No. R3-2009-0025			These wasteload allocations are receiving water allocations; storm water discharge cannot cause or
11000101101111011110 2000 0020			contribute to exceedance of the allocations as measured in receiving water.
TMDL for Aptos Creek,			
Valencia Creek, and Trout			The County of Santa Cruz is assigned allocations in Aptos Creek, Valencia Creek, and Trout Gulch.
Gulch			(1.1.1)
Pathogens			Provision Requirements for Implementing the TMDL
(Continued)			Effective immediately, By June 30, 2013, the County of Santa Cruz (hereafter referred to in this
(Oonanaoa)			TMDL section as "the MS4") shall develop, submit, and begin implementation of implement a
			Wasteload Allocation Attainment Program that identifies the actions it will take to attain its wasteload
			allocation. The Wasteload Allocation Attainment Program shall include:
			1. A detailed description of the strategy the MS4 will use to guide BMP selection, assessment,
			and implementation, to ensure that BMPs implemented will be effective at abating pollutant
			sources, reducing pollutant discharges, and achieving wasteload allocations according to the
			TMDL schedule.
			2. Identification of sources of the impairment within the MS4's jurisdiction, including specific
			information on various source locations and their magnitude within the jurisdiction.
			3. Prioritization of sources within the MS4's jurisdiction, based on suspected contribution to the
			impairment, ability to control the source, and other pertinent factors.
			4. Identification of BMPs that will address the sources of impairing pollutants and reduce the
			discharge of impairing pollutants.
			5. Prioritization of BMPs, based on suspected effectiveness at abating sources and reducing
			impairing pollutant discharges, as well as other pertinent factors.
			6. Identification of BMPs the MS4 will implement, including a detailed implementation schedule.
			For each BMP, identify milestones the MS4 will use for tracking implementation, measurable
			goals the MS4 will use to assess implementation efforts, and measures and targets the MS4
			will use to assess effectiveness. MS4s shall include expected BMP implementation for future
			implementation years, with the understanding that future BMP implementation plans may
			change as new information is obtained.
			7. A quantifiable numeric analysis that uses published BMP pollutant removal estimates,
0040 0004 DIMO			51, 5 . 00101

TMDL			Deliverables/Actions Required/Waste Load Allocations
	MunicipalityPhase II Entities	Impaired Water	Deliverables/Actions Required /Waste Load Allocations
Effective Date	Enuties	Body	
Basin Plan Amendment (BPA) Water Board Resolution No.			
vvaler board Resolution No.			
		Region 3: Cent	ral Coast Regional Water Board
		Rogion o. Jent	an outer regional trater bound
			performance estimates, modeling, best professional judgment, and/or other available tools to
			demonstrate that the BMP selected for implementation will likely achieve the MS4's wasteload
			allocation by the schedule identified in the TMDL. A quantifiable numeric analysis
			demonstrating the BMPs selected for implementation will likely achieve, based on modeling,
			published BMP pollutant removal performance estimates, best professional judgment, and/or
			other available tools, the MS4's wasteload allocation according to the schedule identified in
			the TMDL. This analysis will most likely incorporate modeling efforts. The MS4 shall conduct
			repeat numeric analyses as the BMP implementation plans evolve and information on BMP effectiveness is generated. Once the MS4 has water quality data from its monitoring
			program, the MS4 shall incorporate water quality data into the numeric analyses to validate
			BMP implementation plans.
			7.8. A detailed description, including a schedule, of a monitoring program the MS4 will implement
			to assess discharge and receiving water quality, BMP effectiveness, and progress towards
			any interim targets and ultimate attainment of the MS4s' wasteload allocation. The monitoring
			program shall be designed to validate BMP implementation efforts and quantitatively
			demonstrate attainment of interim targets and wasteload allocations.
			8.9. If the approved TMDL does not explicitly include interim targets, the MS4 shall establish
TMDL for Pathogens in			interim targets (and dates when stormwater discharge conditions will be evaluated) that are
Aptos Creek, Valencia Creek,			equally spaced in time over the TMDL compliance schedule and represent measurable, continually decreasing MS4 discharge concentrations or other appropriate interim measures
and Trout Gulch			of pollution reduction and progress towards the wasteload allocation. At least one interim
<u>Pathogens</u>			target and date must occur during the first five-year period or by December 31, 2021.
(<u>C</u> eontinued)			whichever is sooner. At least one interim target and date must occur during the five-year term
			of this Order. The MS4 shall achieve its interim targets by the date it specifies in the
			Wasteload Allocation Attainment Program. If the MS4 does not achieve its interim target by
			the date specified, the MS4 shall develop and implement more effective BMPs that it can
			quantitatively demonstrate will achieve the next interim target.
			9.10. A detailed description of how the MS4 will assess BMP and program effectiveness. The
			description shall incorporate the assessment methods described in the CASQA Municipal Storm wWater Program Effectiveness Assessment Guide.
			10-11. A detailed description of how the MS4 will modify the program to improve upon BMPs
			determined to be ineffective during the effectiveness assessment.
			41.12. A detailed description of information the MS4 will include in annual reports to demonstrate
			adequate progress towards attainment of wasteload allocations according to the TMDL
			schedule.
			42.13. A detailed description of how the MS4 will collaborate with other agencies, stakeholders,
			and the public to develop and implement the Wasteload Allocation Attainment Program.
			43.14. Any other items identified by Integrated Report fact sheets, TMDL Project Reports, TMDL
			Resolutions, or that are currently being implemented by the MS4 to control its contribution to
0040 0004 PWO		O VVVVV DIMO	the impairment.

TMD			Deliverables (Astions Descriped (Mosts Load Allocations
TMDL Effective Date Basin Plan Amendment (BPA) Water Board Resolution No.	MunicipalityPhase II Entities	Impaired Water Body	Deliverables/Actions Required/ Waste Load Allocations
		Region 3: Cent	ral Coast Regional Water Board
			The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The wasteload allocations All allocations shall be achieved October 29, 2023.
TMDLs for the Santa Maria River Watershed Fecal Indicator Bacteria Effective Date: 2/21/2013 BPA: Chapter 4 Resolution No. R3-2012-0055 TMDLs for the Santa Maria River Watershed Fecal Indicator Bacteria (Continued)	City of Guadalupe County of San Luis Obispo County of Santa Barbara City of Santa Maria	Water Bodies in the Santa Maria River Watershed, including: Blosser Channel Bradley Channel Main Street Canal Nipomo Creek Orcutt Creek Santa Maria River Estuary Santa Maria River	Requirements for Implementing the TMDL By [Hard Date: four months from adoption], the Phase II entities identified in this TMDL section (hereafter referred to in this TMDL section as "the MS4") shall each develop, submit, and begin implementation of a Wasteload Allocation Attainment Program, or an integrated plan, that identifies the actions they will take to attain their wasteload allocations. The Wasteload Allocation Attainment Programs or integrated plans shall include: 1. A detailed description of the strategy the MS4 will use to guide BMP selection, assessment, and implementation, to ensure that BMPs implemented will be effective at abating pollutant sources, reducing pollutant discharges, and achieving wasteload allocations according to the TMDL schedule. 2. Identification of sources of the impairment within the MS4's jurisdiction, including specific information on various source locations and their magnitude within the jurisdiction. 3. Prioritization of sources within the MS4's jurisdiction, based on suspected contribution to the impairment, ability to control the source, and other pertinent factors. 4. Identification of BMPs that will address the sources of impairing pollutants and reduce the discharge of impairing pollutants. 5. Prioritization of BMPs, based on suspected effectiveness at abating sources and reducing impairing pollutant discharges, as well as other pertinent factors. 6. Identification of BMPs the MS4 will implement, including a detailed implementation schedule. For each BMP, identify milestones the MS4 will use for tracking implementation measurable goals the MS4 will use to assess implementation efforts, and measures and targets the MS4 will use to assess effectiveness. MS4s shall include expected BMP implementation plans may change as new information is obtained. 7. A quantifiable numeric analysis that uses published BMP pollutant removal estimates, performance estimates, modeling, best professional judgment, and/or other available tools to demonstrate that the BMP selected for imple

			I IMDLS with urban runoff listed as a source
TMDL	MunicipalityPhase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	<u>Entities</u>	Body	
Basin Plan Amendment (BPA)			
Water Board Resolution No.			
		D 0- 0	and Onnet Bankaral Weter Bank
		Region 3: Cent	ral Coast Regional Water Board
			interim targets and ultimate attainment of the MS4s' wasteload allocations. The monitoring
			program shall be designed to validate BMP implementation efforts and quantitatively
			demonstrate attainment of interim targets and wasteload allocations.
			9. The MS4 shall establish interim targets (and dates when stormwater discharge conditions will be evaluated) that are equally spaced in time over the TMDL compliance schedule and
			represent measurable, continually decreasing MS4 discharge concentrations or other
			appropriate interim measures of pollution reduction and progress towards the wasteload
			allocation. At least one interim target and date must occur during the first five-year period or by
			December 31, 2021, whichever is sooner. The MS4 shall achieve its interim targets by the date
			it specifies in the Wasteload Allocation Attainment Program. If the MS4 does not specify
			interim targets as described above in its Wasteload Allocation Attainment Program, the interim
			targets identified in the TMDL apply. If the MS4 does not achieve any interim target by the date
			specified, the MS4 shall develop and implement more effective BMPs that it can quantitatively
			demonstrate will achieve the next interim target.
			10. A detailed description of how the MS4 will assess BMP and program effectiveness. The
			description shall incorporate the assessment methods described in the CASQA Municipal
			Storm Water Program Effectiveness Assessment Guide.
			11. A detailed description of how the MS4 proposes to assess its compliance with interim targets
			and the final wasteload allocation.
			12. A detailed description of how the MS4 will modify the program to improve upon BMPs
			determined to be ineffective during the effectiveness assessment.
			13. A detailed description of information the MS4 will include in annual reports to demonstrate
			adequate progress towards attainment of wasteload allocations according to the TMDL
			schedule.
			14. A detailed description of how the MS4 will collaborate with other agencies, stakeholders, and
			the public to develop and implement the Wasteload Allocation Attainment Program or
			integrated plan.
			15. Any other items identified by Integrated Report fact sheets, TMDL Project Reports, TMDL Resolutions, or that are currently being implemented by the MS4 to control its contribution to
			the impairment, including public education and participation items identified above.
			une impairment, including public education and participation items lucitified above.
			The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference.
			The wasteload allocations shall be achieved February 21, 2028.
TMDI a for the Conta Maria			The Maderica and Carolin Do domotod t oblidary 21, 2020.
TMDLs for the Santa Maria River Watershed			
Fecal Indicator Bacteria			
(Continued)			
(Continued)			

TMDL	MunicipalityPhase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
	Entities	Body	Deliverables/Actions Required/waste Load Allocations
Effective Date	Entities	Боау	
Basin Plan Amendment (BPA) Water Board Resolution No.			
Water Board Resolution No.			
		Dominus 2: Cont	val Coast Barianal Water Board
		Region 3: Cent	ral Coast Regional Water Board
	Т	Г	
TMDLs for the	City of Guadalupe	Water Bodies in the	Requirements for Implementing the TMDL
Lower Santa Maria River	City of Guadalupe	Lower Santa Maria	By [Hard Date: four months from adoption], the Phase II entities identified in this TMDL section
Watershed and Tributaries to	County of San Luis	River Watershed and	(hereafter referred to in this TMDL section as "the MS4") shall each develop, submit, and begin
Oso Flaco Lake	Obispo	Tributaries to Oso	implementation of a Wasteload Allocation Attainment Program, or an integrated plan, that identifies
Nitrogen Compounds and	<u>Obispo</u>	Flaco Lake, including:	the actions they will take to attain their wasteload allocations. The Wasteload Allocation Attainment
Orthophosphate	County of Santa	Flaco Lake, including.	Programs or integrated plans shall include:
Orthophosphate	Barbara	Blosser Channel	A detailed description of the strategy the MS4 will use to guide BMP selection, assessment,
Effective Date: 5/22/2014	<u> Darbara</u>	biosser Channel	and implementation, to ensure that BMPs implemented will be effective at abating pollutant
Lifective Date: 5/22/2014			sources, reducing pollutant discharges, and achieving wasteload allocations according to the
BPA: Chapter 4	City of Santa Maria	Bradley Channel	TMDL schedule.
DI A. Chapter 4	City of Santa Maria	<u> </u>	2. Identification of sources of the impairment within the MS4's jurisdiction, including specific
Resolution No. R3-2013-0013			information on various source locations and their magnitude within the jurisdiction.
<u> </u>		Greene Valley Creek	3. Prioritization of sources within the MS4's jurisdiction, based on suspected contribution to the
		Oreche valley oreck	impairment, ability to control the source, and other pertinent factors.
			Identification of BMPs that will address the sources of impairing pollutants and reduce the
		Main Street Canal	discharge of impairing pollutants.
		Main Street Sanai	5. Prioritization of BMPs, based on suspected effectiveness at abating sources and reducing
			impairing pollutant discharges, as well as other pertinent factors.
		North Main Street	6. Identification of BMPs the MS4 will implement, including a detailed implementation schedule.
		Channel	For each BMP, identify milestones the MS4 will use for tracking implementation, measurable
		<u> </u>	goals the MS4 will use to assess implementation efforts, and measures and targets the MS4
			will use to assess effectiveness. MS4s shall include expected BMP implementation for future
		Orcutt Creek	implementation years, with the understanding that future BMP implementation plans may
		<u> </u>	change as new information is obtained.
			7. A quantifiable numeric analysis that uses published BMP pollutant removal estimates,
		Nipomo Creek	performance estimates, modeling, best professional judgment, and/or other available tools to
		<u></u>	demonstrate that the BMP selected for implementation will likely achieve the MS4's wasteload
			allocation by the schedule identified in the TMDL. This analysis will most likely incorporate
		Santa Maria River	modeling efforts. The MS4 shall conduct repeat numeric analyses as the BMP implementation
			plans evolve and information on BMP effectiveness is generated. Once the MS4 has water
			quality data from its monitoring program, the MS4 shall incorporate water quality data into the
		Santa Maria River	numeric analyses to validate BMP implementation plans.
		Estuary	8. A detailed description, including a schedule, of a monitoring program the MS4 will implement
			to assess discharge and receiving water quality, BMP effectiveness, and progress towards any
			interim targets and ultimate attainment of the MS4s' wasteload allocations. The monitoring
			program shall be designed to validate BMP implementation efforts and quantitatively
			demonstrate attainment of interim and final wasteload allocations.
			9. A detailed description of how the MS4 will assess BMP and program effectiveness. The
			description shall incorporate the assessment methods described in the CASQA Municipal

TMDL	MunicipalityPhase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	Entities	Body	Deliverables/Actions (requiled/Waste Load Allocations
Basin Plan Amendment (BPA)	Littles	Body	
Water Board Resolution No.			
Water Board Resolution No.			
		Pagion 3: Cont	ral Coast Regional Water Board
		Region 3. Cent	ital Coast Regional Water Board
			Storm Water Program Effectiveness Assessment Guide.
			10. A detailed description of how the MS4 proposes to assess its compliance with interim targets
			and the final wasteload allocation.
			11. A detailed description of how the MS4 will modify the program to improve upon BMPs
			determined to be ineffective during the effectiveness assessment.
			12. A detailed description of information the MS4 will include in annual reports to demonstrate
			adequate progress towards attainment of wasteload allocations according to the TMDL
			schedule.
			13. A detailed description of how the MS4 will collaborate with other agencies, stakeholders, and
TMDL for the			the public to develop and implement the Wasteload Allocation Attainment Program or
Lower Santa Maria River			integrated plan.
Watershed and Tributaries to			14. Any other items identified by Integrated Report fact sheets, TMDL Project Reports, TMDL
Oso Flaco Lake			Resolutions, or that are currently being implemented by the MS4 to control its contribution to
Nitrogen Compounds and			the impairment, including public education and participation items identified above.
<u>Orthophosphate</u>			
(Continued)			The MS4 shall achieve its interim wasteload allocations as specified in the Fact Sheet. If the MS4
			does not achieve any interim wasteload allocation by the date specified, the MS4 shall develop and
			implement more effective BMPs that it can quantitatively demonstrate will achieve the next interim or
			final wasteload allocations.
			The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference.
			The wasteload allocations shall be achieved by May 22, 2044.

	d IMDLs with urban runoff listed as a source		
TMDL	MunicipalityPhase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	<u>Entities</u>	Body	
Basin Plan Amendment (BPA)			
Water Board Resolution No.			
		Region 3: Cent	ral Coast Regional Water Board
		3	3
TMDL for the Lower Salinas	County of Monterey	Lower Salinas River	Requirements for Implementing the TMDL
River and Reclamation Canal	County of Montorcy	LOWOT Camildo TATOT	By [Hard Date: Within four months from adoption], the County of Monterey (hereafter referred to in
Basin and the Moro Cojo		Santa Rita Creek	this TMDL section as "the MS4") shall develop, submit, and begin implementation of a Wasteload
Slough Subwatershed		Santa Mila Creek	Allocation Attainment Program that identifies the actions it will take to attain its wasteload
Nitrogen Compounds and		Reclamation Canal	allocations. The Wasteload Allocation Attainment Program shall include:
Orthophosphate		Reciamation Canal	
<u>Orthophosphate</u>		Cobiles Creek	1. A detailed description of the strategy the MS4 will use to guide BMP selection, assessment,
Effective Detect 0/7/0044		Gabilan Creek	and implementation, to ensure that BMPs implemented will be effective at abating pollutant
Effective Date: 6/7/2014		Nedstale 10	sources, reducing pollutant discharges, and achieving wasteload allocations according to the
DDA 61		Natividad Creek	TMDL schedule.
BPA: Chapter 4		A11 1 G	2. Identification of sources of the impairment within the MS4's jurisdiction, including specific
		Alisal Creek	information on various source locations and their magnitude within the jurisdiction.
Resolution No. R3-2013-0008			3. Prioritization of sources within the MS4's jurisdiction, based on suspected contribution to the
			impairment, ability to control the source, and other pertinent factors.
			4. Identification of BMPs that will address the sources of impairing pollutants and reduce the
			discharge of impairing pollutants.
			5. Prioritization of BMPs, based on suspected effectiveness at abating sources and reducing
			impairing pollutant discharges, as well as other pertinent factors.
			6. Identification of BMPs the MS4 will implement, including a detailed implementation schedule.
			For each BMP, identify milestones the MS4 will use for tracking implementation, measurable
			goals the MS4 will use to assess implementation efforts, and measures and targets the MS4
			will use to assess effectiveness. MS4s shall include expected BMP implementation for future
			implementation years, with the understanding that future BMP implementation plans may
			change as new information is obtained.
			7. A quantifiable numeric analysis that uses published BMP pollutant removal estimates,
			performance estimates, modeling, best professional judgment, and/or other available tools to
			demonstrate that the BMP selected for implementation will likely achieve the MS4's wasteload
			allocation by the schedule identified in the TMDL. This analysis will most likely incorporate
			modeling efforts. The MS4 shall conduct repeat numeric analyses as the BMP
			implementation plans evolve and information on BMP effectiveness is generated. Once the
			MS4 has water quality data from its monitoring program, the MS4 shall incorporate water
			quality data into the numeric analyses to validate BMP implementation plans.
			8. A detailed description, including a schedule, of a monitoring program the MS4 will implement
			to assess discharge and receiving water quality, BMP effectiveness, and progress towards
			any interim targets and ultimate attainment of the MS4s' wasteload allocations. The
			monitoring program shall be designed to validate BMP implementation efforts and
			quantitatively demonstrate attainment of interim and final wasteload allocations.
			9. A detailed description of how the MS4 will assess BMP and program effectiveness. The
			description shall incorporate the assessment methods described in the CASQA Municipal
			Storm Water Program Effectiveness Assessment Guide.
2010 2001 51110	amonded by Order 201	- 1000/ - 1110	44 February 5, 2013 June 2017

TMDI			Deliverables (Actions Described Mosts Load Allegations
TMDL	MunicipalityPhase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	Entities	Body	
Basin Plan Amendment (BPA)			
Water Board Resolution No.			
		Region 3: Cent	ral Coast Regional Water Board
			10. A detailed description of how the MS4 proposes to assess its compliance with interim targets
			and the final wasteload allocation.
TMDL for the Lower Salinas			11. A detailed description of how the MS4 will modify the program to improve upon BMPs
River and Reclamation Canal			determined to be ineffective during the effectiveness assessment.
Basin and the Moro Cojo			12. A detailed description of information the MS4 will include in annual reports to demonstrate
Slough Subwatershed			adequate progress towards attainment of wasteload allocations according to the TMDL
Nitrogen Compounds and			schedule.
<u>Orthophosphate</u>			13. A detailed description of how the MS4 will collaborate with other agencies, stakeholders, and
(Continued)			the public to develop and implement the Wasteload Allocation Attainment Program or
			integrated plan.
			14. Any other items identified by Integrated Report fact sheets, TMDL Project Reports, TMDL
			Resolutions, or that are currently being implemented by the MS4 to control its contribution to
			the impairment.
			The MS4 shall achieve its interim wasteload allocations as specified in the Fact Sheet. If the MS4
			does not achieve any interim wasteload allocation by the date specified, the MS4 shall develop and
			implement more effective BMPs that it can quantitatively demonstrate will achieve the next interim or
			final wasteload allocations.
			The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference.
			The wasteload allocations shall be achieved by May 7, 2044.
TMDL for the Santa Maria	City of Guadalupe	Blosser Channel	Requirements for Implementing the TMDL
River Watershed			By [Hard Date: four months from adoption], the Phase II entities identified in this TMDL section
Toxicity and Pesticides		Bradley Channel	(hereafter referred to in this TMDL section as "the MS4") shall each develop, submit, and begin
	City of Santa Maria		implementation of a Wasteload Allocation Attainment Program, or an integrated plan, that identifies
Effective Date: 10/29/2014		Greene Valley Creek	the actions they will take to attain their wasteload allocations. The Wasteload Allocation Attainment
			Programs or integrated plans shall include:
BPA: Chapter 4	County of Santa	Main Street Canal,	1. A detailed description of the strategy the MS4 will use to guide BMP selection, assessment,
	<u>Barbara</u>	Orcutt Creek	and implementation, to ensure that BMPs implemented will be effective at abating pollutant
Resolution No. R3-2014-0009			sources, reducing pollutant discharges, and achieving wasteload allocations according to the
		Santa Maria River	TMDL schedule.
			2. Identification of sources of the impairment within the MS4's jurisdiction, including specific
			information on various source locations and their magnitude within the jurisdiction.
			3. Prioritization of sources within the MS4's jurisdiction, based on suspected contribution to the
			impairment, ability to control the source, and other pertinent factors.
			4. Identification of BMPs that will address the sources of impairing pollutants and reduce the
			discharge of impairing pollutants.
			5. Prioritization of BMPs, based on suspected effectiveness at abating sources and reducing
			impairing pollutant discharges, as well as other pertinent factors.
	omanded by Order 201		45 Fobruary 5, 2012 June 2017

TMDL			Deliverables/Actions Required/Maste Load Allegations		
	MunicipalityPhase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations		
Effective Date	Entities	Body			
Basin Plan Amendment (BPA)					
Water Board Resolution No.					
		Region 3: Centi	ral Coast Regional Water Board		
			6. Identification of BMPs the MS4 will implement, including a detailed implementation schedule.		
			For each BMP, identify milestones the MS4 will use for tracking implementation, measurable		
			goals the MS4 will use to assess implementation efforts, and measures and targets the MS4		
			will use to assess effectiveness. MS4s shall include expected BMP implementation for future		
TMDL for the Santa Maria			implementation years, with the understanding that future BMP implementation plans may		
River Watershed			change as new information is obtained.		
Toxicity and Pesticides			7. A quantifiable numeric analysis that uses published BMP pollutant removal estimates,		
(Continued)			performance estimates, modeling, best professional judgment, and/or other available tools to		
			demonstrate that the BMP selected for implementation will likely achieve the MS4's wasteload		
			allocation by the schedule identified in the TMDL. This analysis may incorporate modeling		
			efforts. The MS4 shall conduct repeat numeric analyses as the BMP implementation plans		
			evolve and information on BMP effectiveness is generated. Once the MS4 has water quality		
			data from its monitoring program, the MS4 shall incorporate water quality data into the		
			numeric analyses to validate BMP implementation plans.		
			8. A detailed description, including a schedule, of a monitoring program the MS4 will implement		
			to assess discharge and receiving water quality, BMP effectiveness, and progress towards		
			any interim targets and ultimate attainment of the MS4s' wasteload allocations. The		
			monitoring program shall be designed to validate BMP implementation efforts and		
			quantitatively demonstrate attainment of interim and final wasteload allocations. The Central		
			Coast Water Board may approve participation in statewide or regional monitoring programs		
			as meeting all, or a portion of monitoring requirements.		
			9. A detailed description of how the MS4 will assess BMP and program effectiveness. The		
			description shall incorporate the assessment methods described in the CASQA Municipal		
			Storm Water Program Effectiveness Assessment Guide.		
			10. A detailed description of how the MS4 proposes to assess its compliance with interim targets		
			and the final wasteload allocation.		
			11. A detailed description of how the MS4 will modify the program to improve upon BMPs determined to be ineffective during the effectiveness assessment.		
			12. A detailed description of information the MS4 will include in annual reports to demonstrate		
			adequate progress towards attainment of wasteload allocations according to the TMDL		
			schedule.		
			13. A detailed description of how the MS4 will collaborate with other agencies, stakeholders, and		
			the public to develop and implement the Wasteload Allocation Attainment Program or		
			integrated plan.		
			14. Any other items identified by Integrated Report fact sheets, TMDL Project Reports, TMDL		
			Resolutions, or that are currently being implemented by the MS4 to control its contribution to		
			the impairment, including public education and participation items identified above.		
			and impairment, including public education and participation items identified above.		
			Waste load allocations will be achieved through implementation of management practices and		
			strategies to reduce pesticide loading, and wasteload allocation attainment will be demonstrated		
0040 0004 DWO			Strategies to reduce pesticide loading, and wasteload allocation attainment will be demonstrated		

			u INDES WITH GIDAN FUNDING AS A SOURCE
TMDL Effective Date Basin Plan Amendment (BPA) Water Board Resolution No.	MunicipalityPhase II Entities	Impaired Water Body	Deliverables/Actions Required/Waste Load Allocations
		Region 3: Cen	tral Coast Regional Water Board
TMDL for the Santa Maria River Watershed Toxicity and Pesticides (Continued)			through water quality monitoring. Implementation can be conducted by MS4s specifically and/or through statewide programs addressing urban pesticide water pollution. The Wasteload Allocation Attainment Program may include participation in statewide efforts, by organizations such as California Stormwater Quality Association (CASQA), that coordinate with Department of Pesticide Regulation and other organizations taking actions to protect water quality from the use of pesticides in the urban environment. The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The target date to achieve the TMDLs for pyrethroids is November 1, 2029. This estimate is based on the widespread availability of pyrethroids, including consumer usage, and current limited regulatory oversight. The target date to achieve the TMDLs for organochlorine pesticides (DDT, DDD, DDE, chlordane, eldrin, toxaphene, dieldrin) is November 1, 2044.

TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	Entities Municipality	Body	Deliverables/Actions Required /Waste Load Allocations
	<u>Entities</u> wunicipality	воау	
Basin Plan Amendment (BPA)			
Water Board Resolution No			
		Region 4: L	os Angeles Regional Water Board
TMDL for Avalon	City of Avalon	Avalon Beach	Requirements for Implementing the TMDL
Beach Bacteria TMDL	Oity of Avaion	Avaion beach	City of Avalon's compliance with the MS4-specific provisions of Cease and Desist Order No. R4-2012-
			0077 and the applicable implementation requirements and timelines therein. In addition to compliance
<u>Bacteria</u>			
			with all requirements of this Order, shall constitute compliance with the requirements of this Attachment.
Effective Date: April 5, 2012			
Cease and Disist Order No.			
BPA: N/A (Issued through R4-			
2012-0077)			
TMDI for Conta Manies Day			
TMDL for Santa Monica Bay Beaches	Department of Parks	Santa Monica	Requirements for Implementing the TMDL:
Bacteria	and Recreation (Point	Bay	The Department of Parks and Recreation (specifically, Point Dume State Beach and Robert H Meyer
Dacteria	Dume State Beach,		Memorial State Beach) must take either of the following actions to meet the requirements of this TMDL:
Effective Date: July 15, 2003	Robert H Meyer		
	Memorial State Beach)		1. Enter in a cooperative agreement with Phase I MS4 Permittees to participate in a Watershed
BPA: Chapter 7-4			Management Program (WMP) or Enhanced Watershed Management Program (EWMP)
			developed and approved pursuant to one of the Los Angeles Region's Phase I MS4 permits. A
Resolution Nos.:			Permittee shall notify the Regional Water Board of its intent to enter into a cooperative agreement
2002-04 (dry weather)			with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from
2002-022 (wet weather) R12-007 revision			adoption], and shall identify the Phase I MS4 Permittee(s) and the WMP or EWMP that the
R12-007 Tevision			Permittee intends to participate in. The cooperative agreement shall be finalized within one year of
			adoption of these permit amendments, and shall be submitted to the Executive Officer upon
			finalization.
			or alternatively,
			2. Propose a program plan for attaining the wasteload allocation(s). The Program Plan must identify
			the currently used and planned BMPs and any other planned actions to attain the wasteload
			allocation(s), which may include, but is not limited to, retaining the volume of runoff associated
			with the 85th percentile, 24-hour storm event on-site. The Program Plan must provide a technical
			demonstration (using modeling and/or empirical data) that there is a reasonable assurance that by
			implementing the BMPs and other planned actions in the Program Plan, the Permittee's MS4
0040 0004 PWO		NAVAVA BIMO	51 5 0040 0047

TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Avaste Load Allocations
	Entities Municipality	Body	Deliverables/Actions Required /Waste Load Allocations
Effective Date	Entitieswunicipality	Воду	
Basin Plan Amendment (BPA)			
Water Board Resolution No			
		Region 4: L	os Angeles Regional Water Board
		<u> </u>	
			discharges will achieve the wasteload allocation(s) by the compliance schedule deadline(s)
			identified within this specific TMDL section. The Program Plan must also include monitoring of the
TMDL for Santa Monica Bay			Permittee's MS4 discharges to track progress toward achieving the wasteload allocation(s) and
<u>Beaches</u>			validate the reasonable assurance demonstration. The Program Plan is subject to approval by the
<u>Bacteria</u> (Continued)			Los Angeles Regional Water Board Executive Officer. The Program Plan must be submitted for
(Continued)			Los Angeles Regional Water Board Executive Officer approval by [Hard Date: 12 months from
			adoption]. Once approved, the Permittees must implement the Program Plan and are responsible
			for attaining applicable wasteload allocations and demonstrating such attainment with monitoring
			data.
			The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The
			TMDL specifies that the target dates to achieve the final wasteload allocations is July 15, 2006 (to
			achieve dry weather wasteload allocations during the summer period from April 1 – October 31);
			November 1, 2009 (to achieve dry weather wasteload allocations during the winter period from
			November 1 – March 31); and July 15, 2021 (to achieve the wet weather wasteload allocations). The
			dry weather allocations are therefore effective immediately.
Upper Santa Clara River			<u></u>
Chloride TMDL			
Effective Date: May 4, 2005			
BPA Chapter 7-6			
Bi A Ghapter 7 G			
Resolution Nos.:			
R04-004, R06-016 revision, and			
R08-012 revision			
TMDL for Los Angeles River	California State	Los Angeles	Requirements for Implementing the TMDL:
Nitrogen and Related Effects	University Los Angeles	River	The Phase II entities identified in this TMDL section must take either of the following actions to meet the
TMDL	Oniversity LOS Arrycles	IZIVEI	requirements of this TMDL:
	Colifornia State		requirements of this Tivide.
Effective Date: March 23, 2004	California State		4. Enter in a comparative agreement with Dhace LMC4 Demoittees to moutieir at a in a Matarala ad
DD4 01 : 7.0	<u>University Northridge</u>		1. Enter in a cooperative agreement with Phase I MS4 Permittees to participate in a Watershed
BPA Chapter 7-8			Management Program (WMP) or Enhanced Watershed Management Program (EWMP)
Resolution Nos.:			developed and approved pursuant to one of the Los Angeles Region's Phase I MS4 permits. A
Nesolution Nos			10 File of 5 00401 or 0047

Effective Date Basin Plan Amendment (BPA) Water Board Resolution No Region 4: Los Angeles Regional Water Board R03-009 (amended by R03-016) R05-014, R07-005, & R12-010) Permittee shall notify the Regional Water Board of its intent to enter into a cooperative agreement with Phase IMS-4 Permittees. Such notification shall be provided by Hard Date is Months from adoption, I and Shall identify the Phase IMS-4 Permittees of the Wife or EWMP that the Permittee Intends to participate in. The cooperative agreement shall be finalized within one year of adoption of these permit amendments, and shall be submitted to the Los Angeles Regional Water Board Executive Officer upon finalization. or. alternatively. 2. Propose a program plan for attaining the wasteload allocation(s). The Program Plan must identify the currently used and planned BMPs and one other planned actions to attain the wasteload allocation(s), which may include, but is not limited to, retaining the volume of runoff associated with the 85th percentile, 24-hour event on-site. The Program Plan must provide a technical demonstration fusion modeling and/or empirical data that there is a reasonable assurance that by implementing the BMPs and only enter event on-site. The Program Plan must provide a technical demonstration in the Program Plan, the Permittees MS4 discharges will achieve the wasteload allocation(s) by the compliance schedule deadline(s) identified within his specific That permittees and the Program Plan in the Program Plan in the submitted for Los Angeles Regional Water Board Executive Officer approval by Heart Date 12 months from adoption. The program Plan Plan are associated within the specific Theorem Plan and are responsible to staining applicable wasteload allocations are to be achieved by March 23, 2004. The allocations are therefore effective immediately. Effective Date: March 23, 2004 BPA-Chapter 7-9	TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
R03-009 (amended by R03-015, R05-014, R07-005, & R12-010) R05-014, R07-005, & R12-010) R05-014, R07-005, & R12-010 R05-014, R07-0			•	Deliverables/Actions Required/Waste Load Allocations
Region 4: Los Angeles Regional Water Board R03-009 (amended by R03-016, R05-014, R07-005, & R12-010) Permittee shall notify the Regional Water Board of its intent to enter into a cooperative agreement with Phase I MS4 Permittees. Such notification shall be provided by Flard Date: 6 Months from adoption, and shall identify the Phase I MS4 Permittees in and the VMMP or EWMP has the Permittee intends to participate in. The cooperative agreement shall be finalized within one year of adoption of these permit mendments, and shall be submitted to the Los Angeles Regional Water Board Executive Officer upon finalization. Or alternatively, 2. Propose a program plan for attaining the wasteload allocation(s). The Program Plan must identify the currently used and planned BMPs and any other planned actions to attain the wasteload allocation(s), which may include, but is not limited to retaining the volume of runoff associated with the 85th percentile, 24-hour storm event on-site. The Program Plan must provide a technical demonstration (using modeling and/or empirical data) that there is a reasonable assurance that by implementing the BMPs and other planned actions in the Program Plan must provide a technical demonstration (using modeling and/or empirical data) that there is a reasonable assurance that by implementing the BMPs and other planned actions in the Program Plan must related discharges will achieve the wasteload allocations by the compliance schedule deadlines! In the state of the wasteload allocation is by the compliance schedule deadlines! I dentified within this specific TMDL section. The Program Plan must associated within this specific TMDL section. The Program Plan must associated within this specific TMDL section. The Program Plan and are responsible for attaining applicable to denomistration. The Program Plan and are responsible for Los Angeles Regional Water Board Executive Officer. The Program Plan and are responsible for attaining applicable adendiced of the Program Plan and are responsible for attai		<u>Litties</u> mamorpanty	Body	
R03-009 (amended by R03-016, R03-016, R03-016, R05-014, R07-005, & R12-010) R05-014, R07-005, &	` '			
Permittee shall notify the Regional Water Board of its intent to enter into a cooperative agreement with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date 6 Months from adoption], and shall identify the Phase I MS4 Permittee (s) and the WMP or EWMP that the Agreement shall be finalized within one year of adoption of these permit amendments, and shall be submitted to the Los Angeles Regional Water Board Executive Officer upon finalization. or alternatively. 2. Process a program plan for attaining the wasteload allocation(s). The Program Plan must identify the currently used and planned BMPs and any other planned actions to attain the wasteload allocation(s), which may include, but is not limited to retaining the volume of runori associated with the 85th percentil of the Program Plan must provide a technical demonstration (using modeling and/or empirical data) that there is a reasonable assurance that by implementing the BMPs and other planned actions in the Program Plan in the Permittee's INS4 discharges will achieve the wasteload allocation(s) by the compliance schedule deadline(s) identified within this specific TMDL section. The Program Plan in the Permittee's INS4 discharges to track progress toward achieving the wasteload allocation(s) and validate the reasonable assurance demonstration. The Program Plan must be submitted for Los Angeles Regional Water Board Executive Officer, the Program Plan must be submitted for Los Angeles Regional Water Board Executive Officer, and Plan and are responsible for attaining applicable wasteload allocations and demonstrating such attainment with monitoring data. The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The TMDL specifies that the final wasteload allocations are therefore effective immediately. Santa Clara River Nitrogen Compounde TMDL Effective Date: March 23, 2004	Water Board Resolution No			
Permittee shall notify the Regional Water Board of its intent to enter into a cooperative agreement with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date 6 Months from adoption], and shall identify the Phase I MS4 Permittee (s) and the WMP or EWMP that the Agreement shall be finalized within one year of adoption of these permit amendments, and shall be submitted to the Los Angeles Regional Water Board Executive Officer upon finalization. or alternatively. 2. Process a program plan for attaining the wasteload allocation(s). The Program Plan must identify the currently used and planned BMPs and any other planned actions to attain the wasteload allocation(s), which may include, but is not limited to retaining the volume of runori associated with the 85th percentil of the Program Plan must provide a technical demonstration (using modeling and/or empirical data) that there is a reasonable assurance that by implementing the BMPs and other planned actions in the Program Plan in the Permittee's INS4 discharges will achieve the wasteload allocation(s) by the compliance schedule deadline(s) identified within this specific TMDL section. The Program Plan in the Permittee's INS4 discharges to track progress toward achieving the wasteload allocation(s) and validate the reasonable assurance demonstration. The Program Plan must be submitted for Los Angeles Regional Water Board Executive Officer, the Program Plan must be submitted for Los Angeles Regional Water Board Executive Officer, and Plan and are responsible for attaining applicable wasteload allocations and demonstrating such attainment with monitoring data. The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The TMDL specifies that the final wasteload allocations are therefore effective immediately. Santa Clara River Nitrogen Compounde TMDL Effective Date: March 23, 2004			Pagion 4: I	os Angeles Pegional Water Roard
with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from adoption], and shall identify the Phase I MS4 Permittee(s) and the WMP or EWMP that the Permittee intends to participate in. The cooperative agreement shall be linalized within one year of adoption of these permit amendments, and shall be submitted to the Los Angeles Regional Water Board Executive Officer upon finalization. Or alternatively, 2. Propose a program plan for attaining the wasteload allocation(s). The Program Plan must identify the currently used and planned BMPs and any other planned actions to attain the wasteload allocation(s), which may include, but is not limited to, retaining the volume of runoff associated with the 85th percentile, 24-hour storm event on-site. The Program Plan must provide a technical demonstration (using a program plan demonstration) that there is a reasonable assurance that by implementing the BMPs and other planned actions in the Program Plan must provide a technical demonstration than other planned actions in the Program Plan in the Permittee's MS4 discharges will active the wasteload allocation(s) by the compliance schedule deadline(s) identified within this specific TMDL section. The Program Plan must also include monitoring of the Permittee's MS4 discharges to track progress toward achieving the wasteload allocation(s) and validate the reasonable assurance demonstration. The Program Plan must be submitted for Los Angeles Regional Water Board Executive Officer approval by the Los Angeles Regional Water Board Executive Officer approval by the Los Angeles Regional Water Board Executive Officer approval by the Los Angeles Regional Water Board Executive Officer approval by the Los Angeles Regional Water Board Executive Officer approval by the Los Angeles Regional Water Board Executive Officer approval by the Los Angeles Regional Water Board Executive Officer approval by the Los Angeles Regional Water Board Executive Officer approval by the Angeles Regional Water Board Executive O			Negion 4. L	OS Aligeles Regional Water Board
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Compounds TMDL Effective Date: March 23, 2004				allocations are therefore effective immediately.
BPA Chapter 7-9	Effective Date: March 23, 2004			
	BPA Chapter 7-9			

TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	EntitiesMunicipality	Body	
Basin Plan Amendment (BPA)			
Water Board Resolution No			
		Region 4: I	os Angeles Regional Water Board
		Region 4. E	os Angeles Regional Water Board
Resolution No.: R03-11			
KU0-1 1			
Malibu Creek Bacteria TMDL			
Effective Date: January 24, 2006			
BPA Chapter 7-10			
Resolution Nos.:			
2004-019R			
R12-009 revision			
TMDL for Los Angeles Harbor	Federal Correctional	Dominguez	Requirements for Implementing the TMDL:
Bacteria TMDL (Inner Cabrillo	Institution (FCI),	Channel	The Phase II entities identified in this TMDL section must take either of the following actions to meet the
Beach and Main Sh <u>i</u> ep Channel)	Terminal Island	Watershed	requirements of this TMDL:
<u>Bacteria</u>	0.1%	Management	4 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
Effective Date: March 10, 2005	<u>California State</u> University Dominguez	Area	 Enter in a cooperative agreement with Phase I MS4 Permittees to participate in a Watershed Management Program (WMP) or Enhanced Watershed Management Program (EWMP)
Effective Date. March 10, 2003	Hills		developed and approved pursuant to one of the Los Angeles Region's Phase I MS4 permits. A
BPA Chapter 7-11			Permittee shall notify the Regional Water Board of its intent to enter into a cooperative agreement
Resolution No.: 2004-011; R12-			with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from
007 (revised)			adoption], and shall identify the Phase I MS4 Permittee(s) and the WMP or EWMP that the Permittee intends to participate in. The cooperative agreement shall be finalized within one year of
			adoption of these permit amendments, and shall be submitted to the Los Angeles Regional Water
			Board Executive Officer upon finalization.
			or alternatively,
			2. Propose a program plan for attaining the wasteload allocation(s). The Program Plan must identify
			the currently used and planned BMPs and any other planned actions to attain the wasteload
			allocation(s), which may include, but is not limited to, retaining the volume of runoff associated
			with the 85th percentile, 24-hour storm event on-site. The Program Plan must provide a technical demonstration (using modeling and/or empirical data) that there is a reasonable assurance that by
TMDL for Los Angeles Harbor			demonstration (using modeling and/or empirical data) that there is a reasonable assurance that by

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TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	Entities Municipality	Body	Deliverables/Actions Nequiled/Waste Load Anocations
Basin Plan Amendment (BPA)	<u>Littues</u> marrierpanty	Body	
Water Board Resolution No			
Water Board Resolution No			
		Region 4: I	os Angeles Regional Water Board
		Rogion 4. L	20 / Angolog Rogional Water Board
(Inner Cabrillo Beach and Main			implementing the BMPs and other planned actions in the Program Plan, the Permittee's MS4
Ship Channel)			discharges will achieve the wasteload allocation(s) by the compliance schedule deadline(s)
<u>Bacteria</u>			identified within this specific TMDL section. The Program Plan must also include monitoring of the
(Continued)			Permittee's MS4 discharges to track progress toward achieving the wasteload allocation(s) and
			validate the reasonable assurance demonstration. The Program Plan is subject to approval by the
			Los Angeles Regional Water Board Executive Officer. The Program Plan must be submitted for
			Los Angeles Regional Water Board Executive Officer approval by [Hard Date: 12 months from
			adoption]. Once approved, the Permittees must implement the Program Plan and are responsible
			for attaining applicable wasteload allocations and demonstrating such attainment with monitoring
			<u>data.</u>
			The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The
			TMDL specifies that the final wasteload allocations are to be achieved by March 10, 2010. The
			allocations are therefore effective immediately.
TMDL for Calleguas Creek	Naval Base Ventura	Calleguas Creek	Requirements for Implementing the TMDL:
Watershed Toxicity-TMDL	County (includes Port		The Phase II entities identified in this TMDL section must take either of the following actions to meet the
TOXICITY—TWIDE	Hueneme & Point		requirements of this TMDL:
Effective Date: March 24, 2006	<u>Mugu)</u>		
			1. Enter in a cooperative agreement with Phase I MS4 Permittees to participate in a Watershed
BPA Chapter 7-17	Department of Parks		Management Program (WMP) or Enhanced Watershed Management Program (EWMP)
Danabation No. 2005 040	and Recreation (Point		developed and approved pursuant to one of the Los Angeles Region's Phase I MS4 permits. A
Resolution No.: 2005-010	Mugu State Park)		Permittee shall notify the Regional Water Board of its intent to enter into a cooperative agreement
			with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from
	<u>California State</u>		adoption], and shall identify the Phase I MS4 Permittee(s) and the WMP or EWMP that the
	University, Channel		Permittee intends to participate in. The cooperative agreement shall be finalized within one year of
	<u>Islands</u>		adoption of these permit amendments, and shall be submitted to the Los Angeles Regional Water
			Board Executive Officer upon finalization.
			or alternatively,
			O Despect a property plan for attaining the property dead allocation (a). The Day
			2. Propose a program plan for attaining the wasteload allocation(s). The Program Plan must identify
			the currently used and planned BMPs and any other planned actions to attain the wasteload
			allocation(s), which may include, but is not limited to, retaining the volume of runoff associated

TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	Entities Municipality	Body	Deliverables/Actions Requireu /Waste Load Anocations
	<u>Entities</u> wunicipanty	Бойу	
Basin Plan Amendment (BPA)			
Water Board Resolution No			
		Pagion 4. I	os Angeles Regional Water Board
		Region 4. L	LOS Affigeres Regional Water Board
			with the 85th percentile, 24-hour storm event on-site. The Program Plan must provide a technical
TMDL for Calleguas Creek			demonstration (using modeling and/or empirical data) that there is a reasonable assurance that by
Watershed			implementing the BMPs and other planned actions in the Program Plan, the Permittee's MS4
<u>Toxicity</u>			discharges will achieve the wasteload allocation(s) by the compliance schedule deadline(s)
(Continued)			identified within this specific TMDL section. The Program Plan must also include monitoring of the
			Permittee's MS4 discharges to track progress toward achieving the wasteload allocation(s) and
			validate the reasonable assurance demonstration. The Program Plan is subject to approval by the
			Los Angeles Regional Water Board Executive Officer. The Program Plan must be submitted for
			Los Angeles Regional Water Board Executive Officer approval by [Hard Date: 12 months from
			adoption]. Once approved, the Permittees must implement the Program Plan and are responsible
			for attaining applicable wasteload allocations and demonstrating such attainment with monitoring
			data.
			The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The
			TMDL specifies that the final wasteload allocations are to be achieved by March 24, 2008. The
			allocations are therefore effective immediately.
TMDL for Calleguas Creek	Naval Base Ventura	Calleguas Creek	Requirements for Implementing the TMDL:
Organochlorine Pesticides,	County (includes Port		The Phase II entities identified in this TMDL section must take either of the following actions to meet the
Polychlorinated Biphenyls, and Siltation	Hueneme & Point		requirements of this TMDL:
Sination	<u>Mugu)</u>		
Effective Date: March 24, 2006			1. Enter in a cooperative agreement with Phase I MS4 Permittees to participate in a Watershed
BPA Chapter 7-16	Department of Parks		Management Program (WMP) or Enhanced Watershed Management Program (EWMP)
B 1 (N 0005 000	and Recreation (Point		developed and approved pursuant to one of the Los Angeles Region's Phase I MS4 permits. A
Resolution No.: 2005-009	Mugu State Park)		Permittee shall notify the Regional Water Board of its intent to enter into a cooperative agreement
			with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from
			adoption], and shall identify the Phase I MS4 Permittee(s) and the WMP or EWMP that the
			Permittee intends to participate in. The cooperative agreement shall be finalized within one year of
			adoption of these permit amendments, and shall be submitted to the Los Angeles Regional Water
	California State		Board Executive Officer upon finalization.
	University, Channel		
	<u>Islands</u>		or alternatively,
			O Propose a new page for attaining the proposed allocation (a). The Page 1911 1911
			Z. Propose a program plan for attaining the wasteload allocation(s). The Program Plan must identify
0040 0004 PINO			2. Propose a program plan for attaining the wasteload allocation(s). The Program Plan must identify

TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	Entities Municipality	Body	
Basin Plan Amendment (BPA) Water Board Resolution No			
Water Board Resolution No			
		Region 4: L	os Angeles Regional Water Board
TMDL for Calleguas Creek Organochlorine Pesticides, Polychlorinated Biphenyls, and Siltation (Continued)			the currently used and planned BMPs and any other planned actions to attain the wasteload allocation(s), which may include, but is not limited to, retaining the volume of runoff associated with the 85th percentile, 24-hour storm event on-site. The Program Plan must provide a technical demonstration (using modeling and/or empirical data) that there is a reasonable assurance that by implementing the BMPs and other planned actions in the Program Plan, the Permittee's MS4 discharges will achieve the wasteload allocation(s) by the compliance schedule deadline(s)
			identified within this specific TMDL section. The Program Plan must also include monitoring of the Permittee's MS4 discharges to track progress toward achieving the wasteload allocation(s) and validate the reasonable assurance demonstration. The Program Plan is subject to approval by the Los Angeles Regional Water Board Executive Officer. The Program Plan must be submitted for Los Angeles Regional Water Board Executive Officer approval by [Hard Date: 12 months from adoption]. Once approved, the Permittees must implement the Program Plan and are responsible for attaining applicable wasteload allocations and demons4trating such attainment with monitoring data. The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The
			final wasteload allocations shall be achieved by March 24, 2026.
TMDL for Calleguas Creek Metals and Selenium TMDL Effective Date: 3/March 26/,	Naval Base Ventura County (includes Port Hueneme & Point Mugu)	Calleguas Creek	Requirements for Implementing the TMDL: The Phase II entities identified in this TMDL section must take either of the following actions to meet the requirements of this TMDL:
BPA Chapter 7-19 Resolution No.: 2006-012	Department of Parks and Recreation (Point Mugu State Park)		1. Enter in a cooperative agreement with Phase I MS4 Permittees to participate in a Watershed Management Program (WMP) or Enhanced Watershed Management Program (EWMP) developed and approved pursuant to one of the Los Angeles Region's Phase I MS4 permits. A Permittee shall notify the Regional Water Board of its intent to enter into a cooperative agreement with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from adoption], and shall identify the Phase I MS4 Permittee(s) and the WMP or EWMP that the Permittee intends to participate in. The cooperative agreement shall be finalized within one year of
	<u>California State</u> <u>University, Channel</u> <u>Islands</u>		adoption of these permit amendments, and shall be submitted to the Regional Water Board <u>Executive Officer upon finalization.</u> <u>or alternatively,</u>

TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	Entities Municipality	Body	Deliverables/Actions Required/Waste Load Allocations
Basin Plan Amendment (BPA)	Littues	Бойу	
Water Board Resolution No			
Water Board Nesolution No			
		Region 4: I	os Angeles Regional Water Board
			Joseph Marie Marie Doura
			2. Propose a program plan for attaining the wasteload allocation(s). The Program Plan must identify
			the currently used and planned BMPs and any other planned actions to attain the wasteload
TMDL for Calleguas Creek			allocation(s), which may include, but is not limited to, retaining the volume of runoff associated
Metals and Selenium			with the 85th percentile, 24-hour storm event on-site. The Program Plan must provide a technical
(Continued)			demonstration (using modeling and/or empirical data) that there is a reasonable assurance that by
			implementing the BMPs and other planned actions in the Program Plan, the Permittee's MS4
			discharges will achieve the wasteload allocation(s) by the compliance schedule deadline(s)
			identified within this specific TMDL section. The Program Plan must also include monitoring of the
			Permittee's MS4 discharges to track progress toward achieving the wasteload allocation(s) and
			validate the reasonable assurance demonstration. The Program Plan is subject to approval by the
			Los Angeles Regional Water Board Executive Officer. The Program Plan must be submitted for Los Angeles Regional Water Board Executive Officer approval by [Hard Date: 12 months from
			adoption]. Once approved, the Permittees must implement the Program Plan and are responsible
			for attaining applicable wasteload allocations and demonstrating such attainment with monitoring
			data.
			data.
			The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The
			final wasteload allocations shall be achieved by March 26, 2022.
TMDL for Ballona Creek	University of California	Ballona Creek	Requirements for Implementing the TMDL:
Bacteria-TMDL	Los Angeles		The Phase II entities identified in this TMDL section must take either of the following actions to meet the
Effective Date: April 27, 2007			requirements of this TMDL:
BPA Chapter 7-21			
- 24-2	Veteran Affairs,		1. Enter in a cooperative agreement with Phase I MS4 Permittees to participate in a Watershed
_ ,	Greater Los Angeles		Management Program (WMP) or Enhanced Watershed Management Program (EWMP)
Resolution Nos.:	Healthcare System		developed and approved pursuant to one of the Los Angeles Region's Phase I MS4 permits. A
_2006-11, R12-008 revision			Permittee shall notify the Regional Water Board of its intent to enter into a cooperative agreement
1712-000 164191011			with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from
			adoption], and shall identify the Phase I MS4 Permittee(s) and the WMP or EWMP that the
			Permittee intends to participate in. The cooperative agreement shall be finalized within one year of
TMDI for Pollone Creek			adoption of these permit amendments, and shall be submitted to the Los Angeles Regional Water
TMDL for Ballona Creek			Board Executive Officer upon finalization.

TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	EntitiesMunicipality	Body	
Basin Plan Amendment (BPA)			
Water Board Resolution No			
		Region 4: L	os Angeles Regional Water Board
<u>Bacteria</u>			
(Continued)			or alternatively,
			2. Propose a program plan for attaining the wasteload allocation(s). The Program Plan must identify
			the currently used and planned BMPs and any other planned actions to attain the wasteload
			allocation(s), which may include, but is not limited to, retaining the volume of runoff associated
			with the 85th percentile, 24-hour storm event on-site. The Program Plan must provide a technical
			demonstration (using modeling and/or empirical data) that there is a reasonable assurance that by
			implementing the BMPs and other planned actions in the Program Plan, the Permittee's MS4
			discharges will achieve the wasteload allocation(s) by the compliance schedule deadline(s)
			identified within this specific TMDL section. The Program Plan must also include monitoring of the
			Permittee's MS4 discharges to track progress toward achieving the wasteload allocation(s) and
			validate the reasonable assurance demonstration. The Program Plan is subject to approval by the
			Los Angeles Regional Water Board Executive Officer. The Program Plan must be submitted for Los Angeles Regional Water Board Executive Officer approval by [Hard Date: 12 months from
			adoption]. Once approved, the Permittees must implement the Program Plan and are responsible
			for attaining applicable wasteload allocations and demonstrating such attainment with monitoring
			data.
			The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The
			TMDL specifies that the final wasteload allocations during dry weather are to be achieved by April 27,
			2013; and that the final wasteload allocations during wet weather shall be achieved by July 15, 2021.
			The final wasteload allocations during dry weather are therefore effective immediately.
TMDL for Santa Monica Bay	5		Demoissance for harden action the TMDI.
Marine Debris TMDL	Department of Parks and Recreation (Point	Santa Monica Bay Watershed	Requirements for Implementing the TMDL: By [Hard Date: six months from adoption], the Department of Parks and Recreation (at Point Dume
	Dume State Beach,	Management	State Beach and Robert H. Meyer Memorial State Beach) must submit for Los Angeles Regional Water
Effective Date: March 20, 2012	Robert H Meyer	<u>iwanagement</u> Area	Board Executive Officer approval, a Minimum Frequency of Assessment and Collection Program
BPA Chapter 7-34	Memorial State Beach)	<u>/ 1104</u>	(MFAC)/BMP Program that meets the following criteria:
Resolution No.:			
_2010-010			a) The MFAC/BMP Program includes an initial minimum frequency of trash assessment and
			collection and suite of structural and/or nonstructural BMPs. The MFAC/BMP Program shall
			include collection and disposal of all trash found in the source areas and along the shoreline.
			Responsible jurisdictions shall implement an initial suite of BMPs based on current trash

TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	Entities Municipality	Body	
Basin Plan Amendment (BPA)			
Water Board Resolution No			
		Region 4: L	os Angeles Regional Water Board
			management practices in land areas that are found to be sources of trash to waterbodies
			within the Santa Monica Bay Watershed Management Area and to Santa Monica Bay.
			Beaches and Harbors along Santa Monica Bay
			For beaches and harbors along Santa Monica Bay, the initial minimum frequency shall be set as
			follows:
			1. The trash source areas of beaches and harbors shall be cleaned on a daily basis year round.
			2. Trash on Santa Monica Bay shorelines shall be collected daily. An assessment shall
			immediately follow at the frequency specified in the Trash Monitoring and Reporting Plan
			(TMRP).
			3. The assessment performed immediately after the collection events shall focus on the
			shorelines or interface along Santa Monica Bay.
			4. The protocol for conducting the assessment immediately after the collection event shall
			include methods and frequencies of assessment, specific locations on the beaches and
			harbors, in the TMRP.
			5. Responsible jurisdictions for beaches and harbors shall conduct routine trash generation rate
			evaluation on the nonpoint source areas at selected beaches or harbors under their
			management. Protocols, as specified in the TMRP, for this evaluation include:
			 i) The evaluation shall be performed in the late afternoon before dusk. Data collected may represent the daily trash quantity littered or deposited on the nonpoint source areas.
			ii) Methods, locations and frequencies of evaluation on the beaches and harbors shall be
			included in the TMRP.
			6. Water in harbors shall be inspected and all trash found on the water shall be removed at a
			frequency and during critical conditions as defined in the approved TMRP.
			7. Compliance for jurisdictions responsible for nonpoint source trash at areas where daily
			cleanup is implemented, is determined by the following conditions:
			i) The assessment conducted immediately after cleanup shall demonstrate that all trash on
			the shoreline or harbor is 100% removed and no trash remains.
			ii) Responsible jurisdictions for beaches and harbors where daily cleanup is performed,
			shall demonstrate that the trash generation rate of the source areas does not show an
			increasing trend and does not exceed the benchmark of 310 pounds (lbs) per mile of
			beach/harbor per day, or 113,150 lbs/mile/year.
TMDL for Santa Monica Bay			8. Should trash amounts collected during evaluation at the source areas exceed 113,150
Marine Debris			lbs/mile/year, or not indicate a decreasing trend, the responsible jurisdictions shall
	<u> </u>	<u> </u>	

TMDI			Ved TMDLS With urban runoff listed as a source
TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	Entities Municipality	Body	
Basin Plan Amendment (BPA)			
Water Board Resolution No			
		Region 4: L	os Angeles Regional Water Board
(Ceontinued)			immediately initiate additional BMPs as specified in the TMRP,
\			9. By [Hard Date: six months from adoption], responsible agencies and jurisdictions shall also
			develop a Trash Monitoring and Reporting Plan (TMRP) for Los Angeles Regional Water
			Board Executive Officer approval that describes the methodologies that will be used to
			assess and monitor trash in their responsible areas within the Santa Monica Bay Watershed
			Management Area or along Santa Monica Bay.
			The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The
			TMDL specifies that all wasteload allocations shall be achieved by March 20, 2017.
TMDL for Santa Monica Bay			
Marine Debris			

TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	EntitiesMunicipality	Body	·
Basin Plan Amendment (BPA)		-	
Water Board Resolution No			
		Region 4: L	os Angeles Regional Water Board
(Continued)			
	Federal Correction	Dominguez	Requirements for Implementing the TMDL:
TMDL for Los Angeles and	Institution (FCI),	<u>Domingdez</u> Channel	The Phase II entities identified in this TMDL section must take either of the following actions to meet the
Long Beach Harbors and	Terminal Island	Watershed	requirements of this TMDL:
Toxics and Metals-TMDL	Tommar lolaria	<u>vvatoronou</u>	Toganomono or tino TWDE.
Effective Date: March 23, 2012	Community		1. Enter in a cooperative agreement with Phase I MS4 Permittees to participate in a Watershed
Effective Bate. Water 20, 2012	Corrections		Management Program (WMP) or Enhanced Watershed Management Program (EWMP)
BPA Chapter 7-40	Management (CCM),		developed and approved pursuant to one of the Los Angeles Region's Phase I MS4 permits. A
B 1 (; N 0044 000	Long Beach		Permittee shall notify the Regional Water Board of its intent to enter into a cooperative agreement
Resolution No.:2011-008			with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from
	California State		adoption], and shall identify the Phase I MS4 Permittee(s) and the WMP or EWMP that the
	University Dominguez		Permittee intends to participate in. The cooperative agreement shall be finalized within one year of
	<u>Hills</u>		adoption of these permit amendments, and shall be submitted to the Los Angeles Regional Water
			Board Executive Officer upon finalization.
			or alternatively,
			or alternatively,
			2. Propose a program plan for attaining the wasteload allocation(s). The Program Plan must identify
			the currently used and planned BMPs and any other planned actions to attain the wasteload
			allocation(s), which may include, but is not limited to, retaining the volume of runoff associated
			with the 85th percentile, 24-hour storm event on-site. The Program Plan must provide a technical
			demonstration (using modeling and/or empirical data) that there is a reasonable assurance that by
			implementing the BMPs and other planned actions in the Program Plan, the Permittee's MS4
			discharges will achieve the wasteload allocation(s) by the compliance schedule deadline(s)
			identified within this specific TMDL section. The Program Plan must also include monitoring of the
			Permittee's MS4 discharges to track progress toward achieving the wasteload allocation(s) and validate the reasonable assurance demonstration. The Program Plan is subject to approval by the
			Los Angeles Regional Water Board Executive Officer. The Program Plan must be submitted for
			Los Angeles Regional Water Board Executive Officer approval by [Hard Date: 12 months from
			adoption]. Once approved, the Permittees must implement the Program Plan and are responsible
			asspring. Shot approved, the remittees must implement the responsible

ATTACHMENT G – Region_–Specific Requirements Regional Water Board_-Approved TMDLs with urban runoff listed as a source Phase II Impaired Water Deliverables/Actions Required/Waste Load Allocations

TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	Entities Municipality	Body	Deliverables/Actions Nequiled/Waste Load Anocations
Basin Plan Amendment (BPA)	Littues	Войу	
Water Board Resolution No			
Water Board Resolution No			
		Region 4: L	os Angeles Regional Water Board
			for attaining applicable wasteload allocations and demonstrating such attainment with monitoring
			data.
			The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The final wasteload allocations shall be achieved by March 23, 2032.
TMDL for Los Angeles and			
Long Beach Harbors			
<u>Toxics and Metals</u> (Continued)			
TMDL for Los Angeles River	California State	Los Angeles	Requirements for Implementing the TMDL:
Bacteria TMDL	University Los Angeles	River	The Phase II entities identified in this TMDL section must take either of the following actions to meet the
	Othivoroity Loo / ingoloo	<u>ravor</u>	requirements of this TMDL:
Effective Date:	California State		- Indiana in the second
March 23, 2012	University Northridge		1. Enter in a cooperative agreement with Phase I MS4 Permittees to participate in a Watershed
BPA Chapter 7-39	<u>ommorony moramago</u>		Management Program (WMP) or Enhanced Watershed Management Program (EWMP)
Bi / Ghapter / Go			developed and approved pursuant to one of the Los Angeles Region's Phase I MS4 permits. A
Resolution No.:			Permittee shall notify the Regional Water Board of its intent to enter into a cooperative agreement
R10-007			with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from
			adoption], and shall identify the Phase I MS4 Permittee(s) and the WMP or EWMP that the
			Permittee intends to participate in. The cooperative agreement shall be finalized within one year of
			adoption of these permit amendments, and shall be submitted to the Los Angeles Regional Water
			Board Executive Officer upon finalization.
			or alternatively,
			2. Propose a program plan for attaining the wasteload allocation(s). The Program Plan must identify
			the currently used and planned BMPs and any other planned actions to attain the wasteload
			allocation(s), which may include, but is not limited to, retaining the volume of runoff associated
			with the 85th percentile, 24-hour storm event on-site. The Program Plan must provide a technical
			demonstration (using modeling and/or empirical data) that there is a reasonable assurance that by
			implementing the BMPs and other planned actions in the Program Plan, the Permittee's MS4
			discharges will achieve the wasteload allocation(s) by the compliance schedule deadline(s)
			identified within this specific TMDL section. The Program Plan must also include monitoring of the

TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load A	llocations	
Effective Date	Entities Municipality	Body			
Basin Plan Amendment (BPA)					
Water Board Resolution No					
		Danian 4. I	as Annales Davienel Weter David		
		Region 4: L	os Angeles Regional Water Board		
			Permittee's MS4 discharges to track progress toward achieving the		
			validate the reasonable assurance demonstration. The Program F		
			Los Angeles Regional Water Board Executive Officer. The Program Plan must be submitted for		
			Los Angeles Regional Water Board Executive Officer approval by		
			adoption]. Once approved, the Permittees must implement the Pr for attaining applicable wasteload allocations and demonstrating s		
			data.	such attainment with monitoring	
			udia.		
			The wasteload allocations identified in the Fact Sheet of this Order are	incorporated by reference. The	
TMDL for Los Angeles River			TMDL specifies that the final wasteload allocations during wet weather	,	
Bacteria			2037. However, the final wasteload allocations during dry weather vary		
(Continued)			achieved from March 23, 2022 to September 23, 2030, according to the	e following table.	
			Waterbody Segment	Achieve Final dry weather WLA by:	
			Segment B (upper and middle Reach 2)	March 23, 2022	
			Segment B Tributaries (Rio Hondo & Arroyo Seco)	<u>September 23, 2023</u>	
			Segment A (lower Reach 2 and Reach 1)	March 23, 2024	
			Segment A Tributaries (Compton Creek)	<u>September 23, 2025</u>	
			Segment E (Reach 6)	March 23, 2025	
			Segment E Tributaries (Dry Canyon, McCoy and Bell Creeks, and Aliso Canyon Wash)	March 23, 2029	
			Segment C (lower Reach 4 and Reach 3)	<u>September 23, 2030</u>	
			Segment C Tributaries (Tujunga Wash, Burbank Western Channel	September 23, 2030	
			and Verdugo Wash)		
			Segment D (Reach 5 and upper Reach 4)	September 23, 2030	
			Segment D Tributaries (Bull Creek)	<u>September 23, 2030</u>	
Santa Clara River Esturay and Reaches 3, 5, 6 and 7 Bacteria					
Effective Date:3/21/2012					
BPA Chapter 7-36					
Resolution No. R10-006					

TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	Entities Municipality	Body	_ 3 3. 3 3 3 3 3 3
Basin Plan Amendment (BPA)			
Water Board Resolution No			
Tracer Board Roserdatori 140			
		Region 4: L	os Angeles Regional Water Board
Santa Clara Reach 3 Chloride			
TMDL			
Effective Date :			
June 18, 2003			
Established by USEPA			
Malibu Creek Nutrients TMDL			
Effective Date :			
March 21, 2003			
Established by USEPA			
Ballona Creek Wetlands TMDL			
for Sediment and Invasive Exotic Vegetation TMDL			
Exotic vegetation i wide			
Effective Date :			
March 26, 2012			
Established by USEPA			
Santa Monica Bay TMDL			
for DDTs and PCBs			
Effective Date :			
March 26, 2012			
Established by USEPA			
TMDL for Los Angeles River	California State	Los Angeles	Requirements for Implementing the TMDL:
and Tributaries	University Los Angeles	River	The Phase II entities identified in this TMDL section must take either of the following actions to meet the
Metals-TMDL	University LOS Angeles	<u>KIVEI</u>	requirements of this TMDL:
	California State		requirements of this TWDE.
Effective Date: November 3, 2011	University Northridge		Enter in a cooperative agreement with Phase I MS4 Permittees to participate in a Watershed
BPA: Chapter 7-13			Management Program (WMP) or Enhanced Watershed Management Program (EWMP)
			developed and approved pursuant to one of the Los Angeles Region's Phase I MS4 permits. A
Resolution No.: R07-014; R10-			Permittee shall notify the Regional Water Board of its intent to enter into a cooperative agreement
0040 0004 DWO			50 50 50 50 50 50 50 50 50 50 50 50 50 5

TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	Entities Municipality	•	Deliverables/Actions Nequileu/Waste Load Anovations
	<u>Emuties</u> wurncipality	Body	
Basin Plan Amendment (BPA)			
Water Board Resolution No			
		Region 4: L	os Angeles Regional Water Board
003_(revised); R15-004 (revised)			with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from
			adoption], and shall identify the Phase I MS4 Permittee(s) and the WMP or EWMP that the
			Permittee intends to participate in. The cooperative agreement shall be finalized within one year of
			adoption of these permit amendments, and shall be submitted to the Los Angeles Regional Water
			Board Executive Officer upon finalization.
			or alternatively,
			2. Propose a program plan for attaining the wasteload allocation(s). The Program Plan must identify
			the currently used and planned BMPs and any other planned actions to attain the wasteload
			allocation(s), which may include, but is not limited to, retaining the volume of runoff associated
			with the 85th percentile, 24-hour storm event on-site. The Program Plan must provide a technical
			demonstration (using modeling and/or empirical data) that there is a reasonable assurance that by
			implementing the BMPs and other planned actions in the Program Plan, the Permittee's MS4
			discharges will achieve the wasteload allocation(s) by the compliance schedule deadline(s)
			identified within this specific TMDL section. The Program Plan must also include monitoring of the
			Permittee's MS4 discharges to track progress toward achieving the wasteload allocation(s) and
			validate the reasonable assurance demonstration. The Program Plan is subject to approval by the
			Los Angeles Regional Water Board Executive Officer. The Program Plan must be submitted for
			Los Angeles Regional Water Board Executive Officer approval by [Hard Date: 12 months from
			adoption]. Once approved, the Permittees must implement the Program Plan and are responsible
			for attaining applicable wasteload allocations and demonstrating such attainment with monitoring
			<u>data.</u>
			The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The
TMDL for Los Angeles River			TMDL specifies that the wasteload allocations during final dry weather shall be achieved by January 11,
and Tributaries			2024, and the final wasteload allocations during wet weather shall be achieved by January 11, 2028.
Metals			
(Continued)			
TMDL for Ballona Creek	Veteran Affairs,	Ballona Creek	Requirements for Implementing the TMDL:
Metals-TMDL	Greater Los Angeles		The Phase II entities identified in this TMDL section must take either of the following actions to meet the
Effective Date: October 29, 2008	Healthcare System		requirements of this TMDL:
Lifective Date. October 29, 2006			

TMDL	<u></u>		ved TMDLS with urban runoff listed as a source
	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	Entities Municipality	Body	
Basin Plan Amendment (BPA)			
Water Board Resolution No			
		Region 4: L	os Angeles Regional Water Board
BPA: Chapter 7-12	University of California		Enter in a cooperative agreement with Phase I MS4 Permittees to participate in a Watershed
Br A. Grapter 7 12	Los Angeles		Management Program (WMP) or Enhanced Watershed Management Program (EWMP)
Resolution No.: 2007-015; R13-	<u>Los Angeles</u>		developed and approved pursuant to one of the Los Angeles Region's Phase I MS4 permits. A
010 (revised)			
			Permittee shall notify the Regional Water Board of its intent to enter into a cooperative agreement
			with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from
			adoption], and shall identify the Phase I MS4 Permittee(s) and the WMP or EWMP that the
			Permittee intends to participate in. The cooperative agreement shall be finalized within one year of
			adoption of these permit amendments, and shall be submitted to the Los Angeles Regional Water
			Board Executive Officer upon finalization.
			or alternatively,
			Propose a program plan for attaining the wasteload allocation(s). The Program Plan must identify
			the currently used and planned BMPs and any other planned actions to attain the wasteload
			allocation(s), which may include, but is not limited to, retaining the volume of runoff associated
			with the 85th percentile, 24-hour storm event on-site. The Program Plan must provide a technical
			demonstration (using modeling and/or empirical data) that there is a reasonable assurance that by
			implementing the BMPs and other planned actions in the Program Plan, the Permittee's MS4
			discharges will achieve the wasteload allocation(s) by the compliance schedule deadline(s)
			identified within this specific TMDL section. The Program Plan must also include monitoring of the
			Permittee's MS4 discharges to track progress toward achieving the wasteload allocation(s) and
			validate the reasonable assurance demonstration. The Program Plan is subject to approval by the
			Los Angeles Regional Water Board Executive Officer. The Program Plan must be submitted for
			Los Angeles Regional Water Board Executive Officer approval by [Hard Date: 12 months from
			adoption]. Once approved, the Permittees must implement the Program Plan and are responsible
			for attaining applicable wasteload allocations and demonstrating such attainment with monitoring
TMDL for Ballona Creek Metals			<u>data.</u>
(Continued)			The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The
 			final wasteload allocations during wet weather shall be achieved by January 11, 2021. The final
			wasteload allocations during dry weather are to be achieved by January 11, 2016. The final wasteload
			allocations for dry weather are therefore effective immediately.

TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	EntitiesMunicipality	Body	·
Basin Plan Amendment (BPA)		-	
Water Board Resolution No			
		Region 4: L	os Angeles Regional Water Board
San Gabriel River and Impaired Tributaries Metals and Selenium TMDL			
Effective Date: March 26, 2007			
USEPA Established			
TMDL for Los Cerritos	California State	Los Cerritos	Requirements for Implementing the TMDL:
Channel	University Long Beach	Channel	The Phase II entities identified in this TMDL section must take either of the following actions to meet the
Metals-TMDL	Offiverally Long Beach	<u>Onamer</u>	requirements of this TMDL:
Effective Date: March 17, 2010	Long Beach Veterans		
Lifective Date. Watch 17, 2010	Affairs Medical Center		1. Enter in a cooperative agreement with Phase I MS4 Permittees to participate in a Watershed
USEPA Established			Management Program (WMP) or Enhanced Watershed Management Program (EWMP)
			developed and approved pursuant to one of the Los Angeles Region's Phase I MS4 permits. A
			Permittee shall notify the Regional Water Board of its intent to enter into a cooperative agreement
			with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from adoption], and shall identify the Phase I MS4 Permittee(s) and the WMP or EWMP that the
			Permittee intends to participate in. The cooperative agreement shall be finalized within one year of
			adoption of these permit amendments, and shall be submitted to the Los Angeles Regional Water
			Board Executive Officer upon finalization.
			or alternatively,
			2. Propose a program plan for attaining the wasteload allocation(s). The Program Plan must identify the currently used and planned BMPs and any other planned actions to attain the wasteload allocation(s), which may include, but is not limited to, retaining the volume of runoff associated with the 85th percentile, 24-hour storm event on-site. The Program Plan must provide a technical demonstration (using modeling and/or empirical data) that there is a reasonable assurance that by implementing the BMPs and other planned actions in the Program Plan, the Permittee's MS4 discharges will achieve the wasteload allocation(s) by the compliance schedule deadline(s) identified within this specific TMDL section. The Program Plan must also include monitoring of the Permittee's MS4 discharges to track progress toward achieving the wasteload allocation(s) and validate the reasonable assurance demonstration. The Program Plan is subject to approval by the
			Los Angeles Regional Water Board Executive Officer. The Program Plan must be submitted for

Effective Date Basin Plan Amendment (BPA) Water Board Resolution No Region 4: Los Angeles Regional Water Board Los Angeles Regional Water Board Executive Officer approval by [Hard Date: 12 months from adoption]. Once approved, the Permittees must implement the Program Plan and are respons for attaining applicable wasteload allocations and demonstrating such attainment with monitoring data. The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The wasteload allocations during dry weather shall be achieved by September 30, 2023, and the wasteload allocations during wet weather shall be achieved by September 30, 2023, and the wasteload allocations during wet weather shall be achieved by September 30, 2023, and the wasteload allocations during wet weather shall be achieved by September 30, 2023, and the wasteload allocations during wet weather shall be achieved by September 30, 2023, and the wasteload allocations during wet weather shall be achieved by September 30, 2023, and the wasteload allocations during wet weather shall be achieved by September 30, 2023, and the wasteload allocations during wet weather shall be achieved by September 30, 2023, and the wasteload allocations during wet weather shall be achieved by September 30, 2023, and the wasteload allocations during wet weather shall be achieved by September 30, 2026. The Phase II entities identified in this TMDL: The Phase II entities identified in this TMDL section must take either of the following actions to meet requirements of this TMDL: I. Enter in a cooperative agreement with Phase I MS4 Permittees to participate in a Watershed Management Program (EWMP) developed and approved pursuant to one of the Los Angeles Region's Phase I MS4 permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phas	TMDL		er Deliverables/Actions Required/Waste Load Allocations
Basin Plan Amendment (BPA) Water Board Resolution No Region 4: Los Angeles Regional Water Board Los Angeles Regional Water Board Executive Officer approval by [Hard Date: 12 months from adoption]. Once approved, the Permittees must implement the Program Plan and are respons for attaining applicable wasteload allocations and demonstrating such attainment with monitority data. The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. To wasteload allocations during dry weather shall be achieved by September 30, 2023, and the wasteload allocations during wet weather shall be achieved by September 30, 2026. TMDL for Ballona Creek Estuary Toxic Pollutants TMDL Effective Date: January 11, 2006 BPA: Chapter 7-14 Resolution No.: 2005-008;R13- 010 (revised) Diversity of California Los Angeles Los Angeles Ballona Creek Requirements for Implementing the TMDL: The Phase II entities identified in this TMDL section must take either of the following actions to meet requirements of this TMDL: 1. Enter in a cooperative agreement with Phase I MS4 Permittees to participate in a Watershed Management Program (WMP) or Enhanced Watershed Management Program (EWMP) developed and approved pursuant to one of the Los Angeles Region's Phase I MS4 Permittees. Such notification shall be provided by (Hard Date: 6 Months from adoption).			beliverables/Actions Required/Traste Load Allocations
Region 4: Los Angeles Regional Water Board TMDL for Los Cerritos Channel Metals (Continued) TMDL for Ballona Creek Estuary Toxic Pollutants TMDL Effective Date: January 11, 2006 BPA: Chapter 7-14 Resolution No.: 2005-008; R13- 010 (revised) Region 4: Los Angeles Regional Water Board Los Angeles Regional Water Board Executive Officer approval by [Hard Date: 12 months from adoption]. Once approved, the Permittees must implement the Program Plan and are respons for attaining applicable wasteload allocations and demonstrating such attainment with monitoring data. The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. To wasteload allocations during dry weather shall be achieved by September 30, 2023, and the wasteload allocations during wet weather shall be achieved by September 30, 2023, and the wasteload allocations during wet weather shall be achieved by September 30, 2026. Requirements for Implementing the TMDL: The Phase II entities identified in this TMDL section must take either of the following actions to meet requirements of this TMDL: 1. Enter in a cooperative agreement with Phase I MS4 Permittees to participate in a Watershed Management Program (EWMP) developed and approved pursuant to one of the Los Angeles Region's Phase I MS4 Permittee. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with		Entities wurnerpairty Body	
Los Angeles Regional Water Board	• • •		
TMDL for Los Cerritos Channel Metals (Continued) Los Angeles Regional Water Board Executive Officer approval by [Hard Date: 12 months from adoption]. Once approved, the Permittees must implement the Program Plan and are respons for attaining applicable wasteload allocations and demonstrating such attainment with monitoris data. The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. T wasteload allocations during dry weather shall be achieved by September 30, 2023, and the wasteload allocations during wet weather shall be achieved by September 30, 2023, and the wasteload allocations during wet weather shall be achieved by September 30, 2026. TMDL for Ballona Creek Estuary Toxic Pollutants TMDL Greater Los Angeles Healthcare System Effective Date: January 11, 2006 BPA: Chapter 7-14 BPA: Chapter 7-14 Resolution No.: 2005-008; R13- 010 (revised) Los Angeles Management Program (WMP) or Enhanced Watershed Management Program (EWMP) developed and approved pursuant to one of the Los Angeles Region's Phase I MS4 permittes. A Permittee shall notify the Regional Water Board of its intent to enter into a cooperative agreement with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with	water Board Resolution No		
TMDL for Los Cerritos Channel Metals (Continued) Los Angeles Regional Water Board Executive Officer approval by [Hard Date: 12 months from adoption]. Once approved, the Permittees must implement the Program Plan and are respons for attaining applicable wasteload allocations and demonstrating such attainment with monitoring data. The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. To wasteload allocations during dry weather shall be achieved by September 30, 2023, and the wasteload allocations during wet weather shall be achieved by September 30, 2023, and the wasteload allocations during wet weather shall be achieved by September 30, 2023, and the wasteload allocations during wet weather shall be achieved by September 30, 2023, and the wasteload allocations during wet weather shall be achieved by September 30, 2026. TMDL for Ballona Creek Estuary Toxic Pollutants TMDL Greater Los Angeles Healthcare System Effective Date: January 11, 2006 BPA: Chapter 7-14 BPA: Chapter 7-14 Cos Angeles University of California Los Angeles Los Angeles Los Angeles Los Angeles Management Program (WMP) or Enhanced Watershed Management Program (EWMP) developed and approved pursuant to one of the Los Angeles Region's Phase I MS4 permittes. A Permittee shall notify the Regional Water Board of its intent to enter into a cooperative agreement with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 M		Regio	4: Los Angeles Regional Water Board
Channel Metals (Continued) Metals (Continued)			
for attaining applicable wasteload allocations and demonstrating such attainment with monitoring data. The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. To wasteload allocations during dry weather shall be achieved by September 30, 2023, and the wasteload allocations during wet weather shall be achieved by September 30, 2026. TMDL for Ballona Creek Estuary Toxic Pollutants TMDL Effective Date: January 11, 2006 BPA: Chapter 7-14 BPA: Chapter 7-14 Resolution No.: 2005-008; R13- 010 (revised) The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. To wasteload allocations during dry weather shall be achieved by September 30, 2026. Requirements for Implementing the TMDL: The Phase II entities identified in this TMDL section must take either of the following actions to meet requirements of this TMDL: 1. Enter in a cooperative agreement with Phase I MS4 Permittees to participate in a Watershed Management Program (EWMP) developed and approved pursuant to one of the Los Angeles Region's Phase I MS4 permits. A Permittee shall notify the Regional Water Board of its intent to enter into a cooperative agreement with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from			Los Angeles Regional Water Board Executive Officer approval by [Hard Date: 12 months from
(Continued) Continued Continued			adoption]. Once approved, the Permittees must implement the Program Plan and are responsible
The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. Towasteload allocations during dry weather shall be achieved by September 30, 2023, and the wasteload allocations during wet weather shall be achieved by September 30, 2026. TMDL for Ballona Creek Estuary Toxic Pollutants-TMDL Effective Date: January 11, 2006 BPA: Chapter 7-14 Resolution No.: 2005-008; R13- 010 (revised) Effective Date: January 11, 2006 BPA: Chapter 30, 2026. Requirements for Implementing the TMDL: The Phase II entities identified in this TMDL section must take either of the following actions to meet requirements of this TMDL: 1. Enter in a cooperative agreement with Phase I MS4 Permittees to participate in a Watershed Management Program (WMP) or Enhanced Watershed Management Program (EWMP) developed and approved pursuant to one of the Los Angeles Region's Phase I MS4 permits. A Permittee shall notify the Regional Water Board of its intent to enter into a cooperative agreement with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from			for attaining applicable wasteload allocations and demonstrating such attainment with monitoring
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wasteload allocations during dry weather shall be achieved by September 30, 2023, and the wasteload allocations during dry weather shall be achieved by September 30, 2023, and the wasteload allocations during wet weather shall be achieved by September 30, 2026. TMDL for Ballona Creek Estuary			
TMDL for Ballona Creek Estuary Toxic Pollutants—TMDL Effective Date: January 11, 2006 BPA: Chapter 7-14 Resolution No.: 2005-008; R13- 010 (revised) Estuary Toxic Pollutants—TMDL Meteran Affairs, Greater Los Angeles Healthcare System Ballona Creek Ballona Creek Requirements for Implementing the TMDL: The Phase II entities identified in this TMDL section must take either of the following actions to meet requirements of this TMDL: 1. Enter in a cooperative agreement with Phase I MS4 Permittees to participate in a Watershed Management Program (WMP) or Enhanced Watershed Management Program (EWMP) developed and approved pursuant to one of the Los Angeles Region's Phase I MS4 permitts. A Permittee shall notify the Regional Water Board of its intent to enter into a cooperative agreement with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from			The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The
TMDL for Ballona Creek Estuary Toxic Pollutants TMDL Effective Date: January 11, 2006 BPA: Chapter 7-14 Resolution No.: 2005-008; R13- 010 (revised) Peteran Affairs, Greater Los Angeles Healthcare System Sallona Creek Requirements for Implementing the TMDL: The Phase II entities identified in this TMDL section must take either of the following actions to meet requirements of this TMDL: Inter in a cooperative agreement with Phase I MS4 Permittees to participate in a Watershed			wasteload allocations during dry weather shall be achieved by September 30, 2023, and the wasteload
Estuary Toxic Pollutants TMDL Effective Date: January 11, 2006 BPA: Chapter 7-14 Resolution No.: 2005-008; R13- 010 (revised) Estuary Toxic Pollutants TMDL Greater Los Angeles Healthcare System University of California Los Angeles Management Program (WMP) or Enhanced Watershed Management Program (EWMP) developed and approved pursuant to one of the Los Angeles Region's Phase I MS4 permits. A Permittee shall notify the Regional Water Board of its intent to enter into a cooperative agreement with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees.]			allocations during wet weather shall be achieved by September 30, 2026.
Estuary Toxic Pollutants TMDL Effective Date: January 11, 2006 BPA: Chapter 7-14 Resolution No.: 2005-008; R13- 010 (revised) Estuary Toxic Pollutants TMDL Greater Los Angeles Healthcare System University of California Los Angeles Management Program (WMP) or Enhanced Watershed Management Program (EWMP) developed and approved pursuant to one of the Los Angeles Region's Phase I MS4 permits. A Permittee shall notify the Regional Water Board of its intent to enter into a cooperative agreement with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from with Phase I MS4 Permittees.]			
Toxic Pollutants-TMDL Effective Date: January 11, 2006 BPA: Chapter 7-14 Resolution No.: 2005-008; R13- 010 (revised) District Los Angeles Healthcare System Los Angeles Management Program (WMP) or Enhanced Watershed Management Program (EWMP) developed and approved pursuant to one of the Los Angeles Region's Phase I MS4 permits. A Permittee shall notify the Regional Water Board of its intent to enter into a cooperative agreement with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from the following actions to meet requirements of this TMDL: 1. Enter in a cooperative agreement with Phase I MS4 Permittees to participate in a Watershed Management Program (EWMP) developed and approved pursuant to one of the Los Angeles Region's Phase I MS4 permits. A Permittee shall notify the Regional Water Board of its intent to enter into a cooperative agreement with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from the following actions to meet requirements of this TMDL: 1. Enter in a cooperative agreement with Phase I MS4 Permittees to participate in a Watershed Management Program (EWMP) developed and approved pursuant to one of the Los Angeles Region's Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from the following actions to meet requirements of this TMDL:			
Effective Date: January 11, 2006 BPA: Chapter 7-14 Resolution No.: 2005-008; R13- 010 (revised) Effective Date: January 11, 2006 University of California Los Angeles 1. Enter in a cooperative agreement with Phase I MS4 Permittees to participate in a Watershed Management Program (WMP) or Enhanced Watershed Management Program (EWMP) developed and approved pursuant to one of the Los Angeles Region's Phase I MS4 permits. A Permittee shall notify the Regional Water Board of its intent to enter into a cooperative agreement with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from			
BPA: Chapter 7-14 Resolution No.: 2005-008; R13- 010 (revised) University of California Los Angeles 1. Enter in a cooperative agreement with Phase I MS4 Permittees to participate in a Watershed Management Program (WMP) or Enhanced Watershed Management Program (EWMP) developed and approved pursuant to one of the Los Angeles Region's Phase I MS4 permits. A Permittee shall notify the Regional Water Board of its intent to enter into a cooperative agreement with Phase I MS4 Permittees to participate in a Watershed Management Program (WMP) or Enhanced Watershed Management Program (EWMP) developed and approved pursuant to one of the Los Angeles Region's Phase I MS4 permittee shall notify the Regional Water Board of its intent to enter into a cooperative agreement with Phase I MS4 Permittees to participate in a Watershed Management Program (WMP) or Enhanced Watershed Management Program (EWMP) developed and approved pursuant to one of the Los Angeles Region's Phase I MS4 permittee shall notify the Regional Water Board of its intent to enter into a cooperative agreement with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from	TOXIC POllularits HWDL	Healthcare System	requirements of this TMDL:
BPA: Chapter 7-14 Resolution No.: 2005-008; R13- 010 (revised) Los Angeles 1. Enter in a cooperative agreement with Phase I MS4 Permittees to participate in a Watershed Management Program (WMP) or Enhanced Watershed Management Program (EWMP) developed and approved pursuant to one of the Los Angeles Region's Phase I MS4 permits. A Permittee shall notify the Regional Water Board of its intent to enter into a cooperative agreement with Phase I MS4 Permittees to participate in a Watershed Management Program (WMP) or Enhanced Watershed Management Program (EWMP) developed and approved pursuant to one of the Los Angeles Region's Phase I MS4 permittee shall notify the Regional Water Board of its intent to enter into a cooperative agreement with Phase I MS4 Permittees to participate in a Watershed Management Program (WMP) or Enhanced Watershed Management Program (EWMP) developed and approved pursuant to one of the Los Angeles Region's Phase I MS4 permittee shall notify the Regional Water Board of its intent to enter into a cooperative agreement with Phase I MS4 Permittees to participate in a Watershed Management Program (WMP) or Enhanced Watershed Management Program (EWMP) developed and approved pursuant to one of the Los Angeles Region's Phase I MS4 permittees shall notify the Regional Water Board of its intent to enter into a cooperative agreement with Phase I MS4 Permittees to participate in a Watershed Management Program (WMP) or Enhanced Watershed Management Program (EWMP)	Effective Date: January 11, 2006		
Resolution No.: 2005-008; R13- 010 (revised) developed and approved pursuant to one of the Los Angeles Region's Phase I MS4 permits. A Permittee shall notify the Regional Water Board of its intent to enter into a cooperative agreement with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from	•		
Resolution No.: 2005-008; R13- 010 (revised) Permittee shall notify the Regional Water Board of its intent to enter into a cooperative agreement with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from	BPA: Chapter 7-14	<u>Los Angeles</u>	
010 (revised) with Phase I MS4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from	Description No. 2005 000, D42		
with Phase I wis4 Permittees. Such notification shall be provided by [Hard Date: 6 Months from			
adoptionL and shall identity the Phase LMS/LParmittee(s) and the W/MP or EW/MP that the	<u>o to (revised)</u>		
			adoption], and shall identify the Phase I MS4 Permittee(s) and the WMP or EWMP that the
			Permittee intends to participate in. The cooperative agreement shall be finalized within one year of
			adoption of these permit amendments, and shall be submitted to the Los Angeles Regional Water
Board Executive Officer upon finalization.			Board Executive Officer upon finalization.
or alternatively,			or alternatively
<u>or anomalwory.</u>			or anomali ory.
2. Propose a program plan for attaining the wasteload allocation(s). The Program Plan must identification			2. Propose a program plan for attaining the wasteload allocation(s). The Program Plan must identify
the currently used and planned BMPs and any other planned actions to attain the wasteload			the currently used and planned BMPs and any other planned actions to attain the wasteload
allocation(s), which may include, but is not limited to, retaining the volume of runoff associated			allocation(s), which may include, but is not limited to, retaining the volume of runoff associated
with the 85th percentile, 24-hour storm event on-site. The Program Plan must provide a techni			with the 85th percentile, 24-hour storm event on-site. The Program Plan must provide a technical
			demonstration (using modeling and/or empirical data) that there is a reasonable assurance that by
implementing the BMPs and other planned actions in the Program Plan, the Permittee's MS4			implementing the BMPs and other planned actions in the Program Plan, the Permittee's MS4
discharges will achieve the wasteload allocation(s) by the compliance schedule deadline(s)			discharges will achieve the wasteload allocation(s) by the compliance schedule deadline(s)
identified within this specific TMDL section. The Program Plan must also include monitoring of			identified within this specific TMDL section. The Program Plan must also include monitoring of the
Permittee's MS4 discharges to track progress toward achieving the wasteload allocation(s) and			Permittee's MS4 discharges to track progress toward achieving the wasteload allocation(s) and

TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	Entities Municipality	Body	Deliverables/Actions Required/Waste Load Allocations
Basin Plan Amendment (BPA)	Littles	Войу	
Water Board Resolution No			
Water Board Nesolution No			
		Region 4: L	os Angeles Regional Water Board
			validate the reasonable assurance demonstration. The Program Plan is subject to approval by the
TMDL for Ballona Creek			Los Angeles Regional Water Board Executive Officer. The Program Plan must be submitted for
Estuary Toxic Pollutants			Los Angeles Regional Water Board Executive Officer approval by [Hard Date: 12 months from
(Continued)			adoption]. Once approved, the Permittees must implement the Program Plan and are responsible
<u>(Continued)</u>			for attaining applicable wasteload allocations and demonstrating such attainment with monitoring
			<u>data.</u>
			The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The
			wasteload allocations shall be achieved by January 11, 2021.
TMDL for Ballona Creek		5 " 6 "	Description of the land of the description of the d
Trash	Veteran Affairs,	Ballona Creek	Requirements for Implementing the TMDL:
rradir	Greater Los Angeles Healthcare System		The Phase II entities identified in this TMDL section shall implement either 1) Full Capture Systems, 2) partial capture devices and the application of institutional controls, or 3) a scientifically based alternative
Effective Date: 8August/28,	Healthcare System		compliance approach.
/ 2002	University of California		<u>compliance approach.</u>
BPA: Chapter 7.3	Los Angeles		A Full Capture System is any device or series of devices that traps all particles retained by a 5 mm
BFA. Chapter 7.3	LOS Angeles		mesh screen and has a design treatment capacity of not less than the peak flow rate (Q) resulting from
Resolution No.:2001-014			a one year, one hour, storm event. The Rational Equation is used to compute the peak flow rate (See
2004-023 (revision).			Fact Sheet for Rational Equation).
R15-006 (revision)			
			A partial capture device does not meet the definition of a Full Capture System; a partial capture device
			may not trap all particles 5 mm or greater or may not have the minimum design treatment capacity of a
			one year, one hour, storm event. Thus, a MS4 Permittee must implement institutional controls in
			combination with the partial capture device to comply with the wasteload allocations. MS4 Permittees
			employing partial capture devices and institutional controls shall use a mass balance approach based
			on the trash daily generation rate, assessed annually, to demonstrate compliance. (See Fact Sheet for
			compliance determination information)
			An alternative compliance approach to implementing either 1) a Full Capture System or 2) partial
			capture devices and the application of institutional controls must be sumitted for approval by the Los
			Angeles Regional Water Board Executive Officer. By [Hard Date: 1 year from adoption], MS4
			Permittees seeking approval of an alternative compliance approach, shall include in their submittal any
			proposed studies of institutional controls and partial capture devices for their particular subwatershed(s)
			or demonstrate that existing studies are representative and transferable to the implementing area.

TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	Entities Municipality	Body	Deliverables/Actions Required
Basin Plan Amendment (BPA)	Enddesmanicipality	Бойу	
Water Board Resolution No			
Water Board Nesolution No			
		Region 4: L	os Angeles Regional Water Board
			Permittees shall also provide a schedule for periodic, compliance effectiveness demonstration and
			evaluation.
TMDL for Ballona Creek			
Trash			The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The
(Continued)			TMDL specifies that the final WLA (0% of baseload discharged) is to be achieved by September 30,
			2015. The allocations are therefore effective immediately.
	California State	Los Angeles	Requirements for Implementing the TMDL:
TMDL for Los Angeles River	University Los Angeles	River	The Phase II entities identified in this TMDL section shall implement either 1) Full Capture Systems, 2)
<u>T</u> ŧrash	OTHIVOTORY LOG / INGOIOG	111701	partial capture devices and the application of institutional controls, or 3) a scientifically based alternative
E# - time Deter 00 and and and 00	California State		compliance approach.
Effective Date: <u>9September/</u> 23, /2008	University Northridge		
72000			A Full Capture System is any device or series of devices that traps all particles retained by a 5 mm
BPA Chapter 7-2			mesh screen and has a design treatment capacity of not less than the peak flow rate (Q) resulting from
			a one year, one hour, storm event. The Rational Equation is used to compute the peak flow rate (See
Resolution No.:07-012, R15-006 (revision)			Fact Sheet for Rational Equation).
K 15-000 (Tevision)			
			A partial capture device does not meet the definition of a Full Capture System; a partial capture device
			may not trap all particles 5 mm or greater or may not have the minimum design treatment capacity of a
			one year, one hour, storm event. Thus, a MS4 Permittee must implement institutional controls in
			combination with the partial capture device to comply with the wasteload allocations. MS4 Permittees employing partial capture devices or institutional controls shall use a mass balance approach based on
			the trash daily generation rate, assessed annually, to demonstrate compliance. (See Fact Sheet for
			compliance determination information)
			<u>compliance determination information</u>
			An alternative compliance approach to implementing either 1) a Full Capture System or 2) partial
			capture devices and the application of institutional controls must be submitted for approval by the Los
			Angeles Regional Water Board Executive Officer. By [Hard Date: 1 year from adoption], MS4
			Permittees seeking approval of an alternative compliance approach, shall include in their submittal any
			proposed studies of institutional controls and partial capture devices for their particular subwatershed(s)
			or demonstrate that existing studies are representative and transferable to the implementing area.
			Permittees shall also provide a schedule for periodic, compliance effectiveness demonstration and
			<u>evaluation.</u>

TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	Entities Municipality	Body	
Basin Plan Amendment (BPA)			
Water Board Resolution No			
		Region 4: L	os Angeles Regional Water Board
TMDL for Los Angeles River			The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The
Trash			TMDL specifies that the final wasteload allocations (0% of baseload discharged) is to be achieved by
(Continued)			September 30, 2016. The allocations are therefore effective immediately.
TMDL for Revolon Slough and Beardsley Wash	Naval Base Ventura County (includes Port	Revolon Slough and Beardsley	Requirements for Implementing the TMDL: The Naval Base Ventura County (including Port Hueneme and Point Magu) shall implement Full
Trash	Hueneme & Point	Wash	Capture Systems. A Full Capture System is any device or series of devices that traps all particles
Effective Date: March 6, 2008	Magu)		retained by a 5 mm mesh screen and has a design treatment capacity of not less than the peak flow
			rate (Q) resulting from a one year, one hour, storm event. The Rational Equation is used to compute
BPA: Chapter 7 Resolution No.: 2007-007			the peak flow rate (See Fact Sheet for Rational Equation).
Resolution No.: 2007-007			
			The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The
			TMDL specifies that the final wasteload allocations (0% of baseload discharged) is to be achieved by
			March 6, 2016. The allocations are therefore effective immediately.
TMDL for Ventura River	Ventura County	Ventura River	Requirements for Implementing the TMDL:
Estuary	Fairgrounds (Seaside	vontara ravor	The Ventura County Fairgrounds (including Seaside Park and Ventura County Fairgrounds) shall
Trash	Park and Ventura		implement Full Capture Systems. A Full Capture System is any device or series of devices that traps
Effective Date: 3March/6, /2008	County Fairgrounds)		all particles retained by a 5 mm mesh screen and has a design treatment capacity of not less than the
Effective Date. <u>Similar of F</u> 2006			peak flow rate (Q) resulting from a one year, one hour, storm event. The Rational Equation is used to
BPA Chapter 7-25			compute the peak flow rate (See Fact Sheet for Rational Equation).
Resolution No.:07-008			The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The
11000101101111011011011011			TMDL specifies that the final wasteload allocations are to be achieved by March 6, 2016. The
			allocations are therefore effective immediately.
Malibu Creek Trash			
Effective Date:7/7/2009			
BPA Chapter 7-30			
Resolution No.:R4-2008-007			

			ved TMDLs with urban runoff listed as a source
TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	Entities Municipality	Body	
Basin Plan Amendment (BPA)			
Water Board Resolution No.			
		Region 5: C	entral Valley Regional Water Board
		•	
			Purpose of Provisions:
TMDL for Lower San Joaquin	City of Atwater	San Joaquin	The purpose of these provisions is to implement the Lower San Joaquin River Diazinon and
River	_	River from	Chlorpyrifos Control Program
Diazinon & Chlorpyrifos	City of Ceres	Mendota Dam to	
	•	Vernalis	Waste Load Allocations:
Effective Date:	City of Delhi		The wasteload allocations for NPDES permitted municipal storm water Permittee shall not exceed the
December 20,2006	_		sum (S) of one (1) as defined below:
	City of Hughson		
BPA: Chapter 3			$c_{\scriptscriptstyle D}$ $c_{\scriptscriptstyle G}$
	City of Keyes		$S = \frac{D}{C} + \frac{C}{C} \le 1.0$
Resolution No.:			$S = \frac{C_D}{WQO_D} + \frac{C_C}{WQO_C} \le 1.0$
R5-2005-0138	City of Livingston		— where
			G _D = diazinon concentration
	City of Los Banos		G _C = chlorpyrifes concentration
			$WQO_D = acute or chronic diazinon water quality objective (0.160 and 0.100 ug/L, respectively)$
	City of Madera		
	(including the area		WQO _C = acute or chronic chlorpyrifos water quality objective. (0.025 and 0.015 ug/L, respectively)
	known as Bonadelle		
	Ranchos-Ma and		For the purpose of calculating the sum (S) above, non-detectable concentrations are considered to be
	Madera Acres)		zero.
	County of Madera		Provisions Requirements for ilmplementing the Control Program TMDL and Monitoring
	07 (14		Requirements:
	City of Merced		The Phase II entities identified in this TMDL section (hereinafter referred to as Permittees in this TMDL
	County of Margad		section) shall implement the following actions, effective immediately:
	County of Merced		
	City of Oakdale		1. a. Conduct an assessment: By [Hard Date: one year from effective date], the Permittees shall
	Ony or Gakuare		complete and submit to the Central Valley Regional Water Board Executive Officer an
	City of Patterson		assessment to, at a minimum: determine the diazinon and chlorpyrifos levels and attainment of
	Oity of Fatterson		waste load allocations in urban discharge; and evaluate attainment of established water quality
	City of Ripon		objectives applicable to diazinon and chlorpyrifos for the receiving water. Assessment
	Oity of Hipoli		monitoring may be done in coordination or conjunction with other municipalities and/or
	City of Riverbank		Permittees. The Permittees are responsible for providing the assessment and necessary
	Sity Stravolbank		information related to the assessment to the Central Valley Regional Water Board Executive
	City of Salida		Officer for review and approval. The assessment information may come from the Permittee's
	City of Gailda		monitoring efforts; monitoring programs conducted by State or federal agencies or
	County of San Joaquin		
	(Areas Outside of City		collaborative watershed efforts; or from special studies that evaluate the effectiveness of
	of Stockton Urbanized		management practices.

TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	Entities Municipality	Body	Deliverables/Actions Required/Waste Load Allocations
Basin Plan Amendment (BPA)	<u> </u>	200,	
Water Board Resolution No.			
		Region 5: C	entral Valley Regional Water Board
	<u>Area)</u>		
TMDL for Lower San Joaquin	County of Stanislaus		1 b. With Central Valley Regional Water Board Executive Officer approval, the Permittees may
River			participate in the Delta Regional Monitoring Program or other collective monitoring efforts in lieu of some or all of the individual monitoring requirements required by this section.
Diazinon & Chlorpyrifos (continued)	City of Turlock		ned of some of all of the individual monitoring requirements required by this section.
(commutes)	City of Winton		2. Pesticide Management Plans: Unless the Permittees can demonstrate attainment of the waste load
			allocations, the Permittee shall submit a Pesticide Management Plan for review and approval by the
			Central Valley Regional Water Board Executive Officer by [Hard Date: one and half years from
			effective date]. The Pesticide Management Plan shall include a description of actions that will be taken to reduce diazinon and chlorpyrifos discharges to meet the applicable allocations.
			Management plan provisions addressing diazinon and chlorpyrifos can be included in the Pesticide
			Management Plans covering current use pesticides with the goal of reducing the discharge of
			pesticides from municipal storm water to receiving water. Pesticide Management Plans shall
			address the Permittee's own use of pesticides, and to the extent authorized by law, the use of such
			pesticides by other sources within their jurisdictions. Pesticide Management Plans shall include
			identifying and promoting, within the context of integrated pest management (IPM) programs, the
			use of pest management practices that minimize the risk of pesticide impacts on surface water
			quality resulting from urban runoff discharges. Additionally, the plan shall include the integration of
			IPM into the Permittee's municipal operations and be promoted to residents, businesses, and public
			agencies within each Permittee's jurisdiction through public outreach.
			The Central Valley Regional Water Board Executive Officer may require revisions to the Pest
			Management Plans if the Central Valley Regional Water Board Executive Officer determines that
			the Pest Management Plan is not likely to attain the waste load allocations. Pest Management
			Plans may be submitted by individual Permittee or Permittee groups and may refer to actions
			required by other agencies or actions required elsewhere in this permit. Pest Management Plans
			may include actions to reduce MS4 pesticide discharges through participation or support of a
			regional or statewide pesticide reduction program. To receive credit toward compliance for such
			participation, the Permittees must demonstrate that they have participated in the implementation of
			the program (i.e., contributing materially and in proportion in the size of a Permittee's service area,
			including, but not limited to, implementation of reduction program measures, membership,
			contribution of resources, etc.). Examples of programs that could be eligible include Our Water Our
			World (outreach), a recognized regional monitoring program, and California Stormwater Quality
			Association's (CASQA) pesticide regulatory initiative. In developing the monitoring and reporting
			programs for the Permittee, the Central Valley Water Board will, in coordination with the DPR,

TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	Entities Municipality	Body	Politolabica/Actiona Required/Haate Load Anovationa
Basin Plan Amendment (BPA)	<u> </u>	200,	
Water Board Resolution No.			
		Region 5: C	entral Valley Regional Water Board
			assist the Permittee in identifying diazinon and chlorpyrifos alternatives for which monitoring may be necessary.
			The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The TMDL specifies that the final WLAs are to be achieved by December 1, 2010. The allocations are therefore effective immediately.
			Dischargers not meeting wasteload allocations will be required by the Executive Officer to submit a management plan describing actions that will be taken to reduce diazinon and chlorovrifos discharges
			to meet the applicable allocations. The Executive Officer may require revisions to the management
			plans if compliance with wasteload allocations are not attained or the management plan is not likely to
			attain compliance. Management plans may be submitted by individual dischargers or discharger groups.
			In determining compliance dates for wasteload allocations, the Regional Water Board will consider data
			or information submitted by the discharger regarding diazinon and chlorpyrifos inputs from sources
			outside of the jurisdiction of the permitted discharge.
			Dischargers must consider weather a proposed alternative to diazinon or chlorpyrifos has the potential
			to degrade ground or surface water. If the alternative has the potential to degrade groundwater,
			alternative pest control methods must be considered. If the alternative has the potential to degrade
			surface water, control measures must be implemented to ensure the applicable water quality objectives
			and State and Regional Water Boards' policies are not violated, including State Water Resources
			Control Board Resolution 68-16.
			Compliance with Waste Load Allocations:
			01 December 2010
		L	

	<u> </u>		ved TMDLs with urban runoff listed as a source
TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	Entities Municipality	Body	
Basin Plan Amendment (BPA)			
Water Board Resolution No.			
		Region 5: C	entral Valley Regional Water Board
			Purpose of Provisions:
TMDL for Sacramento and San	City of Lathrop	Sacramento-San	The purpose of these provisions is to implement the Control Program for Diazinon and Chlorpyrifos
Joaquin Delta		Joaquin Delta	Runoff into the Sacramento-San Joaquin Delta Waterways
Diazinon & Chlorpyrifos		Waterways	TMDI Weste Lead Allegations
Effective Date:	City of Lodi		TMDL Waste Lead Allocations: The wastelead allocations for NPDES permitted municipal storm water Permittee shall not exceed the
October 10, 2006	City of Lodi		sum (S) of one (1) as defined below:
October 10, 2006			Sum (3) of one (1) as defined below.
BPA: Chapter 31			C C
2. / ii e.i.apte. e i	City of Davis		$S = \frac{C}{D} + \frac{C}{\leq 1.0}$
Resolution No.:			$S = \frac{C_D}{WQO_D} + \frac{C_C}{WQO_C} \le 1.0$
R5-2006-0061	City of Dixon		— where
			C _D = diazinon concentration
	0: 15		C _C = chlorpyrifos concentration
	City of Franch Camp		WQO _D = acute or chronic diazinon water quality objective (0.160 and 0.100 ug/L, respectively)
	City of Manteca		WQO _C = acute or chronic chlorpyrifos water quality objective. (0.025 and 0.015 ug/L, respectively)
	City of Morada		1140-6 - addition of the hope the pythod water quality objective. (0.020 and 0.010 agre; 100pootively)
	Oity of Morada		
	City of Vacaville		For the purpose of calculating the sum (S) above, non-detectable concentrations are considered to be
			Zero.
			Provisions Requirements for Monitoring and Implementing the Control ProgramTMDL:
	City of Rio Vista		The Phase II entities identified in this TMDL section (hereinafter referred to as Permittees in this TMDL
			section) shall implement the following actions, effective immediately:
	County of San Joaquin		1. a. Conduct an assessment: By [Hard Date: one year from the effective date], the Permittees shall
	County of San Joaquin		complete and submit to the Central Valley Regional Water Board Executive Officer an
			assessment to, at a minimum: determine the diazinon and chlorpyrifos levels and attainment of
	City of Tracy		waste load allocations in urban discharge; and evaluate attainment of established water quality
	_ ,, ,		objectives applicable to diazinon and chlorpyrifos for the receiving water. Assessment
			monitoring may be done in coordination or conjunction with other municipalities and/or
	City of West		Permittees. Permittees are responsible for providing the assessment and necessary
	Sacramento		information related to the assessment to the Central Valley Regional Water Board Executive
	City of Mondiles d		Officer for review and approval. The assessment information may come from the Permittee's
	City of Woodland		monitoring efforts; monitoring programs conducted by State or federal agencies or
			collaborative watershed efforts; or from special studies that evaluate the effectiveness of
			management practices.
			management practices.
			1. b. With Central Valley Regional Water Board Executive Officer approval, the Permittees may
2013-0001-DWO as:	amended by Order 2016	S-XXXX-DWO	73 February 5, 2013 June 2017
2010 0001 DWQ as	amonaca by Oraci 2010	////// DVIQ	10 1 10 10 10 10 10 10 10 10 10 10 10 10

Tare:			ved IMDLs with urban runoff listed as a source
TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	EntitiesMunicipality	Body	
Basin Plan Amendment (BPA)			
Water Board Resolution No.			
		Pagion F. C	entral Valley Regional Water Board
		Region 5. C	entral valley Regional Water Board
			participate in the Delta Regional Monitoring Program or other collective monitoring efforts in
			lieu of some or all of the individual monitoring requirements required by this section.
			2. Pesticide Management Plans: Unless Permittees can demonstrate attainment of the waste
			load allocations, Permittees shall submit a Pesticide Management Plan for review and approval
			by the Central Valley Water Board Executive Officer by [Hard Date: one and half years from
			effective date]. The Pesticide Management Plan shall include a description of actions that will
			be taken to reduce diazinon and chlorpyrifos discharges to meet the applicable allocations.
			Management plan provisions addressing diazinon and chlorpyrifos can be included in the
			Pesticide Management Plans covering current use pesticides with the goal of reducing the
			discharge of pesticides from municipal storm water to receiving water. Pesticide Management
			Plans shall address the Permittee's own use of pesticides, and to the extent authorized by law,
			the use of such pesticides by other sources within their jurisdictions. Pesticide Management
			Plans shall include identifying and promoting, within the context of integrated pest
			management (IPM) programs, the use of pest management practices that minimize the risk of
			pesticide impacts on surface water quality resulting from urban runoff discharges. Additionally,
			the Pesticide Management Plan shall include the integration of IPM into the Permittee's
			municipal operations and be promoted to residents, businesses, and public agencies within
			each Permittee's jurisdiction through public outreach.
			The Central Valley Regional Water Board Executive Officer may require revisions to the
			Pesticide Management Plans if the plan is not likely to attain the waste load allocations.
			Pesticide Management Plans may be submitted by individual Permittee or Permittee groups
			and may refer to actions required by other agencies or actions required elsewhere in this
TMDL for Sacramento and San			permit. Pesticide Management Plans may include actions to reduce MS4 pesticide discharges
Joaquin Delta			through participation or support of a regional or statewide pesticide reduction programs. To
Diazinon & Chlorpyrifos			receive credit toward compliance for such participation, the Permittees must demonstrate that
(continued)			they have participated in the implementation of the program (i.e., contributing materially and in
			proportion in the size of a Permittee's service area, including, but not limited to, implementation
			of reduction program measures, membership, contribution of resources, etc.). Examples of
			programs that could be eligible include Our Water Our World (outreach), a recognized regional
			monitoring program, and California Stormwater Quality Association's (CASQA's) pesticide
			regulatory initiative. In developing the monitoring and reporting programs for specific
			Permittees, the Central Valley Water Board will, in coordination with DPR, assist the Permittee
			in identifying diazinon and chlorpyrifos alternatives for which monitoring may be necessary.

			ved IMDLs with urban runoff listed as a source
TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	Entities Municipality	Body	
Basin Plan Amendment (BPA)			
Water Board Resolution No.			
		Pagion F. C	entral Valley Regional Water Board
		Region 5. C	entral valley Regional Water Board
			The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The
			TMDL specifies that the final WLAs are to be achieved by December 1, 2011. The allocations are
			therefore effective immediately.
			-Dischargers not meeting wasteload allocations will be required by the Executive Officer to submit a
			management plan describing actions that will be taken to reduce diazinon and chlorpyrifos discharges
			to meet the applicable allocations. The Executive Officer may require revisions to the management
			plans if compliance with wasteload allocations are not attained or the management plan is not likely to
			attain compliance. Management plans may be submitted by individual dischargers or discharger
			groups.
			In determining compliance dates for wasteload allocations, the Regional Water Board will consider data
			or information submitted by the discharger regarding diazinon and chlorpyrifos inputs from sources
			outside of the jurisdiction of the permitted discharge.
			To address pesticide impairment of receiving waters, Permittees shall create and implement a Regional Board-approved Pesticide Plan that addresses their own use of pesticides including diazinon and chlorpyrifos, and to the extent authorized by law, the use of such pesticides by other sources within their jurisdictions. The goal of the Pesticides Plan is to reduce the discharge of pesticides from municipal storm water systems to receiving waters. The Permittees shall identify and promote within the context of integrated pest management (IPM) programs, the use of pest management practices that minimize the risk of pesticide impacts on surface water quality resulting from urban runoff discharges. IPM shall be integrated into the Permittee municipal operations and promoted to residents, businesses, and public agencies through the public outreach program.
			Permittees shall complete an assessment to determine the diazinon and chlorpyrifos levels in receiving waters. Monitoring may be done in conjunctions with other municipalities and/or discharges in the Central Valley. Permittees are responsible for providing the necessary information. The information may come from the dischargers' monitoring efforts; monitoring programs conducted by State or federal agencies or collaborative watershed efforts; or from special studies that evaluate the effectiveness of management practices. The purposes of the study are to evaluate compliance with established water quality objectives applicable to diazinon and chlorpyrifos for the receiving water and to determine compliance with wasteload allocations. In cases where the Permittees are not in compliance with the wasteload allocations, the Regional Water Board may request additional assessments and documentation of control program effectiveness. Assessment shall also consider whether alternatives to diazinon and chlorpyrifos are causing surface water quality impacts and if toxicity impairment is being caused or contributed to due to synergistic effects of multiple pollutants.

			ved TMDES with diban runon listed as a source
TMDL	<u>Phase II</u>	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	EntitiesMunicipality	Body	
Basin Plan Amendment (BPA)			
Water Board Resolution No.			
Water Board Resolution No.			
		Region 5: C	entral Valley Regional Water Board
			Modifications to these requirements may be made through approval from the Executive Officer in order
			to facilitate discharger participation in the Delta Regional Monitoring Program.
			to labilitate algorithms parabolism in the Botta regional memoring region.
			Deadline for Compliance withWaste Load Allocations:
			01 December 2010
Sacramento and San Joaquin			
Delta			
Diazinon & Chlorpyrifos			
(continued)			

TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	Entities Municipality	Body	Deliverables/Actions Required/Vaste Load Allocations
Basin Plan Amendment (BPA)	<u>=====</u>	200,	
Water Board Resolution No.			
		Region 5: C	entral Valley Regional Water Board
			Purpose of Provisions:
TMDL for Sacramento and	City of Anderson	Sacramento	The purpose of these provisions is to implement the Control Program for Diazinon and Chlorpyrifos
Feather Rivers	City 0.7 ac. co	River from	Runoff into the Sacramento and Feather Rivers
Diazinon & Chlorpyrifos	County of Butte	Shasta Dam to I	Waste Load Allocations:
	·	Street Bridge	The wasteload allocations for NPDES permitted municipal storm water Permittee shall not exceed the
Effective Date:	County of Colusa		sum (S) of one (1) as defined below:
May 3, 2007	0.1 (1.1 000		
BPA: Attachment 1	City of Linda CDP	Feather River	C_{p} C_{q}
BPA. Attachment 1	City of Chico	from Fish Barrier	$\frac{S - \frac{C_D}{WQO_D} + \frac{C_C}{WQO_C} \le 1.0}{WQO_C}$
Resolution No.:	Oity of Office	Dam to	${}^{wQO}_{D} - {}^{wQO}_{C}$
R5-2007-0034	City of Marysville	Sacramento	— where
		River	C _D = diazinon concentration
	Olivehurst CDP		C _c = chlorpyrifos concentration
	0 (D D (WQO _D = acute or chronic diazinon water quality objective (0.160 and 0.100 ug/L, respectively)
	City of Red Bluff		WQO _C = acute or chronic chlorpyrifes water quality objective. (0.025 and 0.015 ug/L, respectively)
	City of Live Oak		For the purpose of calculating the sum (S) above, non-detectable concentrations are considered to be
	ony or zivo can		zoro.
	City of Lincoln		Provisions Requirements for Monitoring and Implementing the TMDL:
			The Phase II entities identified in this TMDL section (hereinafter referred to as Permittees in this TMDL
	City of Loomis		section) shall implement the following actions, effective immediately:
	City of Dodding		1. a. Conduct an assessment: : By [Hard Date: one year from the effective date], the Permittees
	City of Redding		shall complete and submit to the Central Valley Regional Water Board Executive Officer an
	County of Shasta		assessment to, at a minimum: determine the diazinon and chlorpyrifos levels and attainment
			of waste load allocations in urban discharge; and evaluate attainment of established water
	County of Sutter		quality objectives applicable to diazinon and chlorpyrifos for the receiving water. Assessment
			monitoring may be done in coordination or conjunction with other municipalities and/or
	South-City of Yuba		Permittees. Permittees are responsible for providing the assessment and necessary
	City		information related to the assessment to the Central Valley Regional Water Board Executive
	City of Roseville		Officer for review and approval. The assessment information may come from the Permittee's
	Oity of Ptoscyllic		monitoring efforts; monitoring programs conducted by State or federal agencies or
	City of Rocklin		collaborative watershed efforts; or from special studies that evaluate the effectiveness of
			management practices.
	County of Yuba		
			1. b. With Central Valley Regional Water Board Executive Officer approval, the Permittees may participate in the Delta Regional Monitoring Program or other collective monitoring efforts in
			lieu of some or all of the individual monitoring requirements required by this section.
2012 0001 DWO	omanded by Order 2011	S AAAA DIMO	
2013-0001-DWQ <u>as</u>	amended by Order 2010	O-XXXX-DVVQ	77 <u>February 5, 2013 June 2017</u>

			ved TMDLs with urban runoff listed as a source
TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	EntitiesMunicipality	Body	
Basin Plan Amendment (BPA)			
Water Board Resolution No.			
		Region 5: C	entral Valley Regional Water Board
TMDL for Sacramento and Feather Rivers Diazinon & Chlorpyrifos (continued)		Region 5: C	2. Pesticide Management Plans: Unless Permittees can demonstrate attainment of the waste load allocations, Permittees shall submit a Pesticide Management Plan for review and approval by the Central Valley Regional Water Board Executive Officer by [Hard Date: one and half years from effective date]. The Pesticide Management Plan shall include a description of actions that will be taken to reduce diazinon and chlorpyrifos discharges to meet the applicable allocations. Management plan provisions addressing diazinon and chlorpyrifos can be included in Pesticide Management Plans covering current use pesticides with the goal of reducing the discharge of pesticides from municipal storm water to receiving water. Pesticide Management Plans shall address the Permittee's own use of pesticides, and to the extent authorized by law, the use of such pesticides by other sources within their jurisdictions. Pesticide Management Plans shall include identifying and promoting, within the context of integrated pest management (IPM) programs, the use of pest management practices that minimize the risk of pesticide impacts on surface water quality resulting from urban runoff discharges. Additionally, the plan shall include the integration of IPM into the Permittee's municipal operations and be promoted to residents, businesses, and public agencies within each Permittee's jurisdiction through public outreach. The Central Valley Regional Water Board Executive Officer may require revisions to the Pesticide Management Plans if the management plan is not likely to attain the waste load allocations. Pesticide Management Plans may be submitted by individual Permittee or Permittee groups and may refer to actions required by other agencies or actions required elsewhere in this permit. Management plans for pesticides may include actions to reduce MS4 pesticide discharges through participation or support of a regional or statewide pesticide reduction program. To receive credit toward compliance for such participation, the Permittees must demons
			The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The
	<u> </u>		

TMD			Ved TMDLS with urban runoff listed as a source			
TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations			
Effective Date	Entities Municipality	Body				
Basin Plan Amendment (BPA)						
Water Board Resolution No.						
	Region 5: Central Valley Regional Water Board					
Sacramento and Feather Rivers Diazinon & Chlorpyrifos (continued)			TMDL specifies that the final WLAs are to be achieved by December 1, 2011. The allocations are therefore effective immediately. Dischargers not meeting wasteload allocations will be required by the Executive Officer to submit a management plan describing actions that will be taken to reduce diazinon and chlorpyrifos discharges to meet the applicable allocations. The Executive Officer may require revisions to the management plans if compliance with wasteload allocations are not attained or the management plan is not likely to attain compliance. Management plans may be submitted by individual dischargers or discharger groups.			
			In determining compliance with the waste load allocations, the Regional Water Board will consider data or information submitted by the discharger regarding diazinon and chlorpyrifos inputs from sources outside of the jurisdiction of the permitted discharge.			
			Dischargers must consider weather a proposed alternative to diazinon or chlorpyrifos has the potential to degrade ground or surface water. If the alternative has the potential to degrade groundwater, alternative pest control methods must be considered. If the alternative has the potential to degrade surface water, control measures must be implemented to ensure the applicable water quality objectives and State and Regional Water Boards' policies are not violated, including State Water Resources Control Board Resolution 68-16.			
			Deadline for Compliance withWaste Load Allocations: 11 August 2008			
	amonded by Order 2016	<u> </u>	70 February F. 2012 June 2017			

TMDL	Phase II		Ved I WDLS With urban runoff listed as a source
Effective Date	<u>Phase II</u> Entities <mark>Municipality</mark>	Impaired Water Body	Deliverables/Actions Required/Waste Load Allocations
Basin Plan Amendment (BPA)	Entities	Бойу	
Water Board Resolution No.			
valer board resolution res.			
		Region 5: C	entral Valley Regional Water Board
Sacramento and Feather			
Rivers Diazinon & Chlorpyrifos			
(continued)			
(commusu)			
	A O.		Purpose of Provisions:
TMDL for Lower San Joaquin	Atwater City City of French Camp	Lower San	The purpose of these provisions is to implement the requirements of the San Joaquin River Dissolved
River, San Joaquin River, Stockton Deep Water Ship	City of French Camp	Joaquin River (Stockton Deep	Oxygen TMDL.
Channel TMDL	Bret Harte Census	Water Ship	Wasteload Allocations:
Organic Enrichment and Low	Designated Place	Channel, DWSC)	Waste load allocations for all NPDES-permitted discharges of oxygen demanding substances were set
Dissolved Oxygen	(CDP)	O <u>rialinioi, Birroo</u>)	at the corresponding effluent limitations applicable on 28 January 2005.
73	<u>, , , , , , , , , , , , , , , , , , , </u>		
Effective Date:	City of Ceres City		ProvisionRequirements for Implementing the Control Program TMDL:
February 27, 2007			The Phase II Entities identified within this TMDL section (hereinafter referred to as Permittees in this
DDA OL 4 11/07/04	Delhi CDP		TMDL section) shall implement best management practices (BMPs) to control the discharge of oxygen
BPA: Chapter IV-37.01	Empire CDD		demanding substances and their precursors in their urban discharge. This will be implemented through compliance with the following Small MS4 Permit requirements:
Resolution No.:	Empire CDP		Discharge Prohibitions B.4 - Discharge Prohibitions B.4
R5-2005-005	Escalon City		Section E.6.a. Legal Authority
1.0 2000 000	<u> 2004.011 Oity</u>		Section E.9. Illicit Discharge Detection and Elimination
	Hughson City		Section E.10. Construction Site Storm Water Runoff Control Program
			Section E.11. Pollution Prevention/Good Housekeeping
	Keyes CDP		Section E.12. Post-Construction
			Section E.13. Monitoring
TMDL for Lower San Joaquin	Lathrop City		Section E.14. Program Effectiveness
River, San Joaquin River, Stockton DWSC TMDL	Livingston City		Section E.15 Compliance with Implementation Process
Organic Enrichment and Low	<u>Livingston City</u>		Waste load allocations and permit conditions for new or expanded point source discharges in the SJR
Organic Enformment and LOW			Basin upstream of the DWSC, including NPDES and storm water, will be based on the discharger
0040 0004 BWO	mandad by Order 2016	2 2/2/2/ BIMO	200 Fohrung F 2012 lung 2017

TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	Entities Municipality	Body	
Basin Plan Amendment (BPA)		•	
Water Board Resolution No.			
		Region 5: C	entral Valley Regional Water Board
Dissolved Oxygen	Los Banos City		demonstrating that the discharge will have no reasonable potential to cause or contribute to a negative
(Continued)	LOS Darios City		impact on the dissolved oxygen impairment in the DWSC.
<u>(Commuca)</u>	Manteca City		In measuring compliance with permit requirements related to attainment of these wasteload allocations
			(WLAs), credit will be given for control measures implemented after July 12, 2004.
	Merced City		
			The Permittees shall document, in their Annual Reports, the implementation of BMPs to control the
	Merced County		discharge of oxygen demanding substances and precursors in their urban discharge. Each Annual
	Newman City		Report shall include documentation of compliance with the Permit requirements and a discussion of the effectiveness of the BMPs. In subsequent years three through five, Permittees shall complete and
	inewinali City		submit a Program Effectiveness Assessment, as specified in Section E.14 in this Order. The
	City of Oakdale City		Permittees shall use the information gained from the Program Effectiveness Assessments to improve
	, —		their program and identify new BMPs or modifications of existing BMPs to ensure that they are meeting
	City of Patterson City		applicable WLAs. The Program Effectiveness Assessment information may come from the Permittees'
	D: 0''		monitoring efforts; monitoring programs conducted by State or federal agencies or collaborative
	Ripon City		watershed efforts; or from special studies that evaluate the effectiveness of management practices.
	City of Riverbank City		
	ony of the barne only		Monitoring Provisions:
	Salida CDP		1. By [Hard Date: one year from the effective date], Renewal Permittees, as identified within the
			Designation Criteria column in Attachment A of this Order, may incorporate their individual
	San Joaquin County		monitoring and reporting plan, or the Permittees can collectively incorporate a single
	County of Stanislaus		monitoring plan, within their Storm Water Management Plans approved under the previous 2003 Permit ⁴ ; all other Permittees shall submit the Monitoring and Reporting Plan for Central
	County		Valley Regional Water Board Executive Officer approval.
	<u>County</u>		With Central Valley Regional Water Board Executive Officer approval, the Permittees may
			participate in the Delta Regional Monitoring Program or other collective monitoring efforts in
	City of Winton Turlock		lieu of some or all of the individual monitoring requirements required by this section.
	<u>City</u>		
	West Medasta CDD		The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The
	West Modesto CDP		TMDL specifies that the final WLAs are to be achieved by December 31, 2011. The allocations are therefore effective immediately.
			Compliance with waste load allocations:
			December 31, 2011
			Compliance with implementation provide
			Compliance with implementation provisions:

 $[\]frac{4}{2003}$ -0005-DWQ

TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	Entities Municipality	Body	Deliverables/Actions (required/Waste Load Amountains
Basin Plan Amendment (BPA)	<u>Littues</u>	Бойу	
Water Board Resolution No.			
Water Board Resolution No.			
		Region 5: C	entral Valley Regional Water Board
		. tog.c or c	onital valley regional value board
			Ongoing
			Purpose of Provisions:
TMDL for the Delta TMDL	City of Lathrop	Sacramento-San	The purpose of these provisions is to implement the requirements of the Delta methylmercury TMDL.
Methylmercury	Otto and the all	Joaquin Delta	Wasteload Allocations (methylmercury g/yr):
Effective Date:	City of Lodi	Waterwaysand Yolo Bypass	Lodi (City of) 0.053
PendingOctober 20, 2011	City of Rio Vista	waterways listed	San Joaquin (County of) 1.486
1 Shaing October 20, 2011	City of Itio vista	in Appendix 43 of	Rio Vista (City of) 0.0078
Resolution No.:	City of Tracy	the Basin Plan –	Solano (County of) 0.062
R5-2010-0043	City of Tracy	Table A43-1	West Sacramento (City of) 0.64
110 2010 0010	County of Solano	1001011101	Yolo (County of) 0.124
	County or Columb		Lathrop (City of) 0.097
	City of West		Tracy (City of) 0.65
	Sacramento		Provision Paguiroments for Implementing the Central Program TMDL
			ProvisionRequirements for Implementing the Control ProgramTMDL: 1. The Phase II entities identified in this TMDL section (hereinafter referred to as Permittees in this
	County of San Joaquin		TMDL section) shall implement best management practices (BMPs) to control erosion and
			sediment discharges with the goal of reducing mercury discharges. This will be implemented
	County of Yolo		through compliance with the following Small MS4 Permit requirements:
			Discharge Prohibitions B.4
			Section E.6.a Legal Authority
			Section E.9 Illicit Discharge Detection and Elimination
			Section E.10 Construction Site Storm Water Runoff Control Program
			Section E.11 Pollution Prevention/Good Housekeeping
			Section E.12 Post-Construction
			Section E.13 Monitoring
			Section E.14 Program Effectiveness
			 Section E.15 Compliance with Implementation Provisions
			2. Between 2014 and 2020 (Phase 1 of the Delta Mercury Control Program), the large MS4
			permittees (not part of this permit) in the Delta are developing and evaluating BMPs to control
			methylmercury discharges in storm water. During this period, the Permittees should implement
			methylmercury management practices identified by the large MS4 permittees or other management
			practices identified by the Delta Mercury Control Program studies that are reasonable and feasible.

TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	Entities Municipality	Body	
Basin Plan Amendment (BPA)			
Water Board Resolution No.			
		Region 5: Ce	entral Valley Regional Water Board
			 The Permittees shall implement the Delta Mercury Exposure Reduction Program (see Water Quality Control Plan for the Sacramento River and San Joaquin River Basins, Chapter IV). This requirement may be met by ongoing participation in the collective Mercury Exposure Reduction Program work plan, dated October 2013 (available at http://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/delta hg/hg_exposure_reduction/2013oct_merp_wrkpln.pdf). Participation can include financial contributions and in-kind services that directly support exposure reduction activities. The Permittees shall document in their annual report, compliance with erosion and sediment control requirements in this Order, including a discussion of effectiveness of BMPs. The Permittees shall submit a Program Effectiveness Assessment as specified in Section E.14. of the
TMDL for the Delta Methylmercury (Continued)			Permittees shall submit a Program Effectiveness Assessment as specified in Section E.14. of the Permit. As specified in section E.15.d, the Permittees shall document implementation of any methylmercury controls or best management practices in their Annual Reports.
			Monitoring Provisions: The following monitoring requirements apply after the Central Valley Water Board's review of Delta Mercury Control Program, (see the Delta Mercury Control Program in the Basin Plan) or 20 October 2022, whichever date occurs first.
			1. a. The Permittees shall begin monitoring methylmercury loads and concentrations in storm water discharges to assess compliance with the TMDL allocations. Within one year of the Delta Mercury Control Program review, (or 20 October 2022, whichever date occurs first), the Permittees shall submit a plan, for Central Valley Regional Water Board Executive Officer approval, describing the locations and frequency of methylmercury monitoring. The Plan shall be representative of the MS4 service area. The sampling locations, frequencies, and reporting may be the same as the requirements in this Order. The Permittees shall implement the monitoring plan within six (6) months of Central Valley Regional Water Board Executive Officer approval.
			 b. With Central Valley Regional Water Board Executive Officer approval, the Permittees may participate in the Delta Regional Monitoring Program or other collective monitoring efforts in lieu of some or all of the individual monitoring requirements required by this section.
			 Progress toward attainment of the waste load allocations (WLA) shall be documented in the Annual Report by monitoring methylmercury loads from the MS4 or by quantifying the annual average methylmercury load reduced by implementing pollution prevention activities and source and treatment controls. The Delta Mercury Control Program (see Water Quality
2013-0001-DWO as	amended by Order 2016	S-XXXX-DWO	83 <u>February 5, 2013 June 2017</u>

TMDL Effective Date Basin Plan Amendment (BPA) Water Board Resolution No.	Phase II EntitiesMunicipality	Impaired Water Body	Deliverables/Actions Required /Waste Load Allocations
		Region 5: C	entral Valley Regional Water Board
			Control Plan for the Sacramento River and San Joaquin River Basins, Chapter IV) provides guidance for the calculation of methylmercury loading from urban areas and determination of attainment. The assessment information may come from the Permittee's monitoring efforts, monitoring programs conducted by State or federal agencies or collaborative watershed efforts, or from special studies that evaluate the effectiveness of management practices, as approved by the Central Valley Regional Water Board Executive Officer. The WLAs identified in the Fact Sheet of this Order are incorporated by reference. The TMDL specifies that the final WLAs are to be achieved by December 31, 2030. Implement BMPs to control erosion and sediment discharges with the goal of reducing mercury discharges. Compliance with implementation provisions: Ongoing

			ved TMDLs with urban runoff listed as a source	
TMDL Effective Date Basin Plan Amendment (BPA) Water Board Resolution No.	Phase II EntitiesMunicipality	Impaired Water Deliverables/Actions Required/Waste Load Allocations Body		
		Region 5: C	Central Valley Regional Water Board	
TMDL for Clear Lake-TMDL Nutrients Effective Date: 6/23/06 September 21, 2007 BPA: Chapter IV-37.04 Resolution No.: R5-2006-0060	City of Clearlake County of Lake City of Lakeport	Clear Lake	Purpose of Provisions: The purpose of these provisions is to implement the requirements of the Clear Lake TMDL. Waste Lload Allocations: County of Lake, City of Clearlake and City of Lakeport combined 2,000 kg phosphorus/yr Provision Requirements for Implementing the Control Program TMDL: The Phase II entities identified in this TMDL section (hereinafter referred to as Permittees in this TMDL section) shall implement best management practices (BMPs) to control erosion and sediment discharges as a means of controlling phosphorous. These will be implemented through compliance with the following Small MS4 Permit requirements: Discharge Prohibitions B.4 Section E.6.a. Legal Authority Section E.9. Illicit Discharge Detection and Elimination Section E.10. Construction Site Storm Water Runoff Control Program Section E.11. Pollution Prevention/Good Housekeeping Section E.11. Pollution Prevention/Good Housekeeping Section E.13. Monitoring Section E.14. Program Effectiveness Section E.15. Compliance with Implementation Provisions The Permittees shall document implementation of erosion and sediment BMPs in their Annual Reports as specified in Section E.15.d of this Order. Each Annual Report shall include documentation of compliance with the above Permit requirements. Permittees shall complete and submit Program Effectiveness Assessments as specified in Section E.14 of this Order. The Permittees shall use the information gained from the Program Effectiveness Assessments to improve their program and identify new BMPs or modifications of existing BMPs. Monitoring Provisions: 1. By [Hard Date: 6 months from effective date], each Permittees shall incorporate a single	
			monitoring plan, into their respective Storm Water Management Plans approved under the previous 2003 Permit ⁵ . The monitoring plans shall enable the Central Valley Water Board to evaluate the MS4 Permittee's progress toward attainment of the WLAs and shall be representative of the respective MS4 service area. 2. With Central Valley Regional Water Board Executive Officer approval, the Permittees may participate in a regional monitoring program or other collective monitoring efforts in lieu of	

 $^{^{5}}$ 2003-0005-DWQ

TMDI			Ved TMDLS with urban runoff listed as a source					
TMDL Effective Date Basin Plan Amendment (BPA) Water Board Resolution No.	Phase II EntitiesMunicipality	Impaired Water Body	Deliverables/Actions Required/Waste Load Allocations					
	Region 5: Central Valley Regional Water Board							
TMDL for Clear Lake TMDL Nutrients (Continued)			some or all of the individual monitoring requirements required by this section. 3. Progress toward attainment of the WLA shall be documented in the Annual Report. Permittees may work with Central Valley Regional Water Board staff to estimate nutrient loadings from activities in the watershed. Loading estimates can be conducted using either water quality monitoring or computer modeling or a combination of the two. The WLAs identified in the Fact Sheet of this Order are incorporated by reference. The TMDL specifies that the final WLAs are to be achieved by June 19, 2017. Storm water permittees will work with staff to develop and implement a plan to collect the information needed to determine what factors are important in controlling nuisance blooms and to recommend what control strategy should be implemented. Plan was submitted in 2008. Compliance with Waste Load Allocations: June 2017					

TMDI			Ved TWDLS with urban runon listed as a source
TMDL Effective Date	Phase II EntitiesMunicipality	Impaired Water Body	Deliverables/Actions Required /Waste Load Allocations
	Entitieswurnerpainty	Бойу	
Basin Plan Amendment (BPA) Water Board Resolution No.			
Water Board Nesolution No.			
		Region 6:	Lahontan Regional Water Board
			Purpose of Provisions:
TMDL for Middle Truckee	County of Placer	Truckee River	The purpose of these provisions is to implement the requirements of the Middle Truckee River
River Watershed, Placer,			Watershed TMDL.
Nevada and Sierra Counties			
Sediment	City of Truckee		Urban Areas Wasteload Allocations:
			4,936 tons per year of total suspended sediment load.
Effective Date:			
May 14, 2008			Non-urban Wasteload Allocations:
554 6 4 46			35,392 tons per year of total suspended sediment load.
BPA: Section 4.13			Device Device was to fee book was the Ocatael Decouper TMDI
Resolution No.:			ProvisionRequirements for Implementing the Control ProgramTMDL: The Phase II entities identified in this TMDL section (hereinafter referred to as Permittees in this TMDL)
Resolution No R6T-2008-0019			section) shall develop, implement, and report best management practices (BMPs) as follows:
K01-2008-0019			Road sand application best management practices (BMPs) and recovery tracking - Road sand
			is shall be applied using BMPs and recovered to the maximum extent practicable. Amounts of
			road abrasives and de-icing agents applied and recovered must be monitored and reported
			annually.
			Dirt roads maintained or decommissioned - Identified dirt roads with inadequate erosion
			control structures are shall be rehabilitated and maintained, or decommissioned. Permittees
			shall Ffocus on dirt roads with high potential for sediment delivery to surface waters (e.g.,
			within 200 feet of watercourse).
			3. Legacy sites restoration and best management practices implementation - Identified legacy
			sites shall beare restored or storm water BMPs are shall be implemented to prevent erosion
			and sedimentation to surface waters.
			The wasteload allocations (WLAs) identified in the Fact Sheet of this Order are incorporated by
			reference. The TMDL specifies that the final WLAs are to be achieved by May 14, 2028.
			Compliance with waste load allocations:
			target of 25 milligrams per liter, or less, of suspended sediment is estimated for 2028 (i.e., 20 years
			after the adoption of the TMDL in 2008).

TMDL	Phase II Entities	Impaired Water	Deliverables/Actions Required					
Effective Date Basin Plan Amendment (BPA) Water Board Resolution No.		<u>Body</u>						
<u>, , , , , , , , , , , , , , , , , , , </u>	Region 8: Santa Ana Regional Water Board							
TMDL for San Diego Creek, Upper and Lower Newport Bay Organochlorine Compounds Effective date: July 2013 Resolution No.: 2011-0037	Orange County Fairgrounds University of California, Irvine	San Diego Creek, Upper Newport Bay, Lower Newport Bay	Requirements for Implementing the TMDL: The Orange County Fairgrounds and the University of California, Irvine shall: 1. Per the Small MS4 Monitoring Flow Chart in this Order, the Permittees are: a. Not covered under an Ocean Plan Exception; b. Are identified in Attachment G (as noted under Phase II Entities here); c. Are not required to conduct Water Quality Monitoring; and d. Do discharge to a waterbody/waterbodies impaired (on 303(d) list for organochlorine compounds) by urban runoff. Therefore, the Permittees must initiate consultation with Regional Water Board staff by [Hard Date: 1 month from effective date] to determine the implementation and monitoring requirements (contained in a TMDL Compliance Plan) for San Diego Creek, Upper Newport Bay, and Lower Newport Bay. 2. As a result of the consultation with Regional Water Board staff, the Permittees shall submit their final TMDL Compliance Plan by [Hard Date: 13 months from effective date] to the Regional Water Board's Executive Officer. The Permittees shall implement the Compliance Plan immediately upon submittal. The wasteload allocations (WLAs) identified in the Fact Sheet of this Order are incorporated by reference. The TMDL specifies that the final WLAs are to be achieved by December 31, 2020.					
TMDL for Lake Elsinore/Canyon Lake Nutrients Resolution No.: R8-2004-0037 Effective date: July 26, 2005	March Air Reserve Base (ARB)	Lake Elsinore, Canyon Lake	Lake Elsinore/Canyon Lake Nutrient TMDL Joint Responsibility Option March ARB shall implement the following actions: a. March ARB has already committed to cooperative implementation actions, monitoring actions, special studies and implementation actions jointly with other responsible agencies as an active paying member of the Lake Elsinore/Canyon Lake TMDL Task Force. March ARB shall continue with those actions in accordance with paragraph I.H. of the Agreement to Form the Lake Elsinore and Canyon Lake TMDL Task Force, dated June 18, 2012. b. If the Regional Water Board is notified that March ARB is not fulfilling its Lake Elsinore/Canyon Lake Task Force obligations or if March ARB chooses to opt out of the cooperative approach with the TMDL Task Force for implementation actions, monitoring actions, and/or special studies, March ARB shall provide formal notification to the Regional Water Board. March ARB will then be required to conduct the following activities: 1. Within 30 days of such notification, submit a proposed update of the March ARB SWPPP to address nutrient discharges; 2. Within 30 days of such notification, submit a proposed March ARB specific nutrient monitoring program. This monitoring program must be prepared and executed in a					

Regional water BoardApproved TMDLs with urban runoff listed as a source						
<u>TMDL</u>	Phase II Entities	Impaired Water	Deliverables/Actions Required			
Effective Date		Body				
Basin Plan Amendment (BPA)						
Water Board Resolution No.						
	•					
		Region 8:	Santa Ana Regional Water Board			
			manner that compliance with waste load allocations will be determined. The monitoring			
			program must be consistent with the most current, Regional Water Board approved, Lake			
TMDL for Lake			Elsinore/Canyon Lake TMDL Task Force monitoring plan;			
Elsinore/Canyon Lake			3. Within 60 days of such notification, submit a proposed water quality monitoring program to			
Nutrients			evaluate the impairment status of Lake Elsinore and Canyon Lake.			
(Continued)			4. Submit an annual report by August 15 th of each year.			
(Communication)			- Submit an annual report by August 10 St Submiyoun			
			The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The			
			TMDL specifies that the final WLAs are to be achieved by December 31, 2020.			
			Requirements for Implementing the TMDL			
TMDL for Middle Santa Ana	CA Institute for Men	Santa Ana River,	The Phase II entities identified in this TMDL section (hereinafter referred to as Permittees in this TMDL			
River	Of thistitute for Well	Reach 3, Chino	section) shall:			
Bacterial Indicator		Creek, Mill	Monitoring Program: By [Hard Date: 6 months from adoption] submit for approval by the			
<u>Dacterial Indicator</u>	CA Institute for	Creek, Prado	Regional Water Board or its designee a watershed-wide compliance monitoring and facility			
Effective date.						
Effective date:	<u>Women</u>	Park Lake	specific bacterial indicator monitoring program that is adequate to determine compliance with			
September 1, 2006			the dry and wet season waste load allocation. The Permittees may alternatively participate in			
			a stakeholder group monitoring program for the same purpose. The monitoring program must			
Resolution No.:	CA Rehab Center		be consistent with the existing Santa Ana River Watershed Bacteria Monitoring Program -			
R8-2005-0001			Monitoring Plan, approved by the Regional Water Board on March 11, 2016 (or the most			
			current, Regional Water Board approved revision).			
	California State		2. Dry Season Bacterial Indicator Reduction Plan - By [Hard Date: 6 months from adoption],			
	Polytechnic University,		develop a facility specific Bacterial Reduction Plan that details the plan and schedule for			
	Pomona		achieving the Dry Season Bacterial Indicator WLA as soon as feasible			
			3. Wet Season Bacterial Indicator Reduction Plan – by January 31, 2018, develop a facility			
			specific Bacterial Reduction Plan that details the plan and schedule for achieving the Wet			
	University of California,		Season Bacterial Indicator WLA by December 31, 2025.			
	Riverside		Code Sit Decicinal indicator TET by December 01, 2020.			
	INVOISIGO		The Dry Season and Wet Season Bacterial Indicator Reduction Plans should include the following:			
			The specific Best Management Practices (BMPs) implemented to reduce the concentration of			
			indicator bacteria from the facility and the water quality improvements expected to result from			
			these BMPs.			
			2. Any specific regional treatment facilities and the locations where such facilities will be built to			
			reduce the concentration of indicator bacteria discharged from the facility and the expected			
			water quality improvements to result when complete.			
			3. The technical documentation used to conclude that the Bacterial Indicator Reduction Plan,			
			once fully implemented, is expected to achieve compliance with either the dry season or wet			
			season urban wasteload allocation for indicator bacteria by the specified compliance date.			
			4. A detailed schedule for implementing the Bacterial Indicator Reduction Plan. The schedule			
			must identify measurable and verifiable milestones to assess satisfactory progress toward			

			ved TWIDLS with urban runoff listed as a source
TMDL	Phase II Entities	Impaired Water	Deliverables/Actions Required
Effective Date		<u>Body</u>	
Basin Plan Amendment (BPA)			
Water Board Resolution No.			
		Region 8:	Santa Ana Regional Water Board
			meeting the dry and wet season wasteload allocations.
			5. The specific metric(s) that will be established to demonstrate the effectiveness of the Bacterial
			Indicator Reduction Plan.
			6. Detailed descriptions of any additional BMPs planned, and the time required to implement
TMDL for Middle Santa Ana			those BMPs, in the event that data from the watershed-wide water quality monitoring program
River			indicate that water quality objectives for indicator bacteria are still being exceeded after the
<u>Bacterial Indicator</u> (Continued)			Bacterial Indicator Reduction Plan is fully implemented.
(Continuea)			
			The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference.
			The TMDL specifies that the final WLAs for Dry Weather are to be achieved by December 31, 2015.
			The allocations are therefore effective immediately.
			The TMDL specifies that the final WLAs for Wet Weather are to be achieved by December 31, 2025.
		1	

Effective Date Basin Plan Amendment (BPA) Water Board Resolution No. Entities Municipality Body Body	Deliverables/Actions Required/Waste Load Allocations				
Region 9: San Diego Regional V Chollas Creek Dissolved Copper, Lead, and Zine Effective Date: October 22, 2008 Resolution No. R9 2007 0043 City of San Diego City of La Mesa County of San Diego City of La Mesa County of San Diego Chollas Creek WLAs are regulated if R9-2007-0001. The r Chollas Creek waters County of San Diego responsibility for virtue the watershed through implementing waste key over a 20 year compliance.	Sis concentration-based, equals to 90% of Numeric Target value (generated from fter applying 10% of Margin of Safety. R WQOs*0.9 Sister dissolved copper, lead, and zinc WLA for Acute Conditions ———————————————————————————————————				

TMDL	Phase II	Impaired Water	vea TMDLS WI					ad Allocation	
Effective Date	EntitiesMunicipality	Body				•			
Basin Plan Amendment (BPA)									
Water Board Resolution No.									
		Region 9:	San Diego Regio	nal Water B	oard				
	nd		Waste Load Alle						
Bacteria Project I – Twenty	22 nd District	20 impaired	W. C I . I	Fecal C		Entero		Te	tal Coliform
Beaches and Creeks in the San Diego Region (Including	Agricultural Association	water quality limited segments	Watershed	Willian M	∟A IPN/year)	WI (Billion M		/Bill	WLA ion MPN/year)
Tecolote Creek)	ASSOCIATION	within the		Wet	II IV/yoai / Drv	Wet	Prysoar) Dry	Wet	Dry
Indicator Bacteria		following		Weather	Weather	Weather	Weather	Weather	Weather
	California State	watersheds or							
Effective Date:	University at San	portions of	San Joaquin						
April 4, 2011	<u>Marcos</u>	watersheds:	Hills /	07.407	00=	00.44=	40	000 050	4.454
Resolution No.		<u>Laguna/San</u> Joaquin, San	Laguna Hills HSAs (901.11	37,167	227	66,417	40	880,652	1,134
Resolution No. R9-2010-0001	Marine Corps Air	Juan, San	and 901.12)						
N3-2010-0001	Station Miramar	Clemente, San	Aliso HAS	477.000	0.40	705 400	40	0.000.004	4.000
		Luis Rey, San	(901.13)	4 77,069	242	735,490	40	8,923,26 4	1,208
		Marcos, San	Dana Point	152,446	92	219,528	16	3,404,008	4 62
	Marine Corps Base	Dieguito River,	HAS ((01.14)	102,110		2.0,020		0, 10 1,000	.02
	Camp Pendleton	Miramar Creek, Scripps HA,	Lower San Juan HAS	1,156,419	1,665	1,385,094	275	16,093,160	8 ,342
		Tecolate HA.	(901.27)	1,100,410	1,000	1,303,034	-10	10,000,100	0,042
	North County Transit	San Diego River,	San						
	District	and Chollas	Clemente HA	192,653	192	295,668	33	3,477,739	958
		Creek.	(901.30)						
	Can Diago Otata		San Luis Rey HU (901.00)	914,026	1,058	1,300,235	185	14,373,95 4	5,289
	San Diego State University		nu (901.00) San Marcos						
	Onversity		HA (904.50)	6,558	26	23,771	5	298,430	129
			San Dieguito	798,175	1,293	1,763,603	226	16,660,538	6,468
	San Diego Veterans		HU (905.50)	790,179	1,250	1,700,000	220	10,000,000	0,400
	Administration Medical		Miramar	0.700	_	0.400		474 400	•
	<u>Center</u>		Reservoir HA (906.10)	6,703	7	8,109	4	171,436	36
			Scripps HA						
	University of California		(906.30)	101,253	119	232,035	21	3,447,764	594
	San Diego		Tecolote HA	126,806	23 4	471,211	39	5,136,598	1,171
			(906.5)	120,000	204	411,211	55	0,100,030	1,111
			Mission San						
			Diego/Santee HSAs (907.11	221,117	1,506	890,617	248	10,790,520	7,529
			and 907.12)						

TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations					
Effective Date	Entities Municipality	Body						
Basin Plan Amendment (BPA) Water Board Resolution No.								
Water Board Recolution No.								
	Region 9: San Diego Regional Water Board							
			Chollas HAS (908.22) 252,479 398 802,918 66 9,880,784 1,991					
			Over a 10+ year compliance period					
			<u>Years</u> <u>Exceedance</u>					
			——————————————————————————————————————					
			(%)*					
			— <u>P1 P2 P3</u>					
			- 5 50 - 6 50					
			7 50 10+ 100 100 100					
			P1 = Priority 1 P2 = Priority 2					
			P3 = Priority 3					
			*For both dry & wet weathers!!					
			Requirements for Implementing the Bacteria Project I – Twenty Beaches and Creeks TMDL The Phase II entities identified in this TMDL section (hereinafter referred to as Permittees in this TMDL					
			section) must take the following actions to meet the requirements of this TMDL:					
			1. Develop and implement the Storm Water Pollution Prevention Plan (SWPPP) as required by section					
			F.5.f.4 of this Order including additional measures necessary to achieve reductions in fecal coliform, enterococcus, and total coliform by the final compliance dates as required by the TMDL. The					
			SWPPP must include short term and long term Best Management Practices (BMPs) strategies appropriate for the prioritization schedule in Attachment A pages A-63 through A-65 of Resolution					
			No. R9-2010-0001.					
			2. By [Hard Date: 3 months from adoption date] monitor discharges from their facilities including MS4					
			discharge locations to demonstrate progress towards compliance with final waste load allocations.					
			The monitoring and assessment results must be submitted as part of the Annual Reports required under section E.16 of this Order.					
			3. The Permittees are encouraged to collaborate and coordinate with Phase I MS4s and other					
			responsible parties to the Bacteria I TMDL using an adaptive framework approach as part of the waste load reduction planning and implementation strategies in the required SWPPP pursuant to					
<u> </u>		I.	Table lead readourn planning and implementation oraclegies in the required OWLLL pursuant to					

TMDI			ved IMDLS with urban runoff listed as a source				
TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations				
Effective Date	EntitiesMunicipality	Body					
Basin Plan Amendment (BPA)							
Water Board Resolution No.	<u> </u>						
	Region 9: San Diego Regional Water Board						
			section F of this Order. Coordinated efforts by all responsible parties will accomplish the waste load reductions required in the TMDLs faster and achieve the ultimate goal of improving water quality as soon as possible.				
			The wasteload allocations (WLAs) identified in the Fact Sheet of this Order are incorporated by reference.				
			The TMDL specifies that the final Dry Weather WLAs are to be achieved by April 4, 2021. The TMDL also specifies that the final Wet Weather WLAs are to be achieved by April 4, 2031 (April 4, 2021 if SWPPP does not contain load reduction programs for other pollutants).				
TMDL for Los Peñasquitos Lagoon	Marine Corps Air Station Miramar	Los Peñasquitos Lagoon	Requirements for Implementing the TMDL The Phase II entities identified in this TMDL section (hereinafter referred to as Permittees in this TMDL section) must take the following actions to meet the requirements of this TMDL:				
<u>Sediment</u>			section) must take the following actions to meet the requirements of this Tivide:				
			1. Develop and implement the Storm Water Pollution Prevention Plan (SWPPP) required by Provision				
Effective Date: July 14, 2014	San Diego Veterans		F.5.f.4 of this Order to achieve reductions in sediment by the final TMDL compliance date. The				
	Administration Medical		development of a SWPPP to address the TMDL fulfills the responsibility for Phase II Copermittees				
0040 0004 PMO	amandad by Ordar 2016	D VVVVV DIVIO	Consideration of a CVI 1 1 to duding of the IVIDE families (12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				

			ved TWDES With dipan runon listed as a source
TMDL	Phase II	Impaired Water	Deliverables/Actions Required/Waste Load Allocations
Effective Date	EntitiesMunicipality	Body	
Basin Plan Amendment (BPA)			
Water Board Resolution No.			
		Region 9:	San Diego Regional Water Board
Resolution No. R9-2012-0033	<u>Center</u>		to prepare a Load Reduction Plan (LRP). The SWPPP must be updated by [Hard Date: 12 months
			from adoption] with any additional BMPs, monitoring, or other measures needed to account for the
TMDL for Los Peñasquitos	University of California		Phase II site's potential to impact the receiving water body with respect to sediment. Permittees
<u>Lagoon</u>	<u>San Diego</u>		are responsible for reducing their sediment loads to the receiving water body or demonstrate that
<u>Sediment</u>			their discharges are not causing exceedances of the wasteload allocation.
(Continued)	North County Transit		
	<u>District</u>		2. Dy Illand Data, 2 months from adaption datal manitar and imput dispharages from their facilities
			2. By [Hard Date: 3 months from adoption date] monitor sediment discharges from their facilities including MS4 discharge locations to demonstrate progress towards compliance with final waste
			load allocations. The monitoring, at a minimum, shall include representative flow rates and total
			suspended solids concentrations from individual discharger's facilities. The monitoring and
			assessment results must be submitted as part of the Annual Reports required under section E.16 of
			this Order.
			3. The Permittees are encouraged to collaborate and coordinate with Phase I MS4s and other
			responsible parties to the Los Peñasquitos Lagoon Sediment TMDL using an adaptive framework
			approach as part of the waste load reduction planning and implementation strategies in the
			required SWPPP pursuant to section F of this Order. Coordinated efforts by all responsible
			parties will accomplish the waste load reductions required in the TMDLs faster and achieve the
			ultimate goal of improving water quality as soon as possible.
			The wasteload allocations (WLA) identified in the Fact Sheet of this Order are incorporated by
			reference. The TMDL specifies that the final WLAs are to be achieved by July 14, 2034.